Stereo Review® Presents

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STEREO BUYERS' GUIDE 1989

MORE THAN 3,000 HI-FI COMPONENTS

How To Set A System Budget

Tape Recording Systems

Features, Specs, And Prices Of Receivers, Speakers, CD Players, Tape Decks, And More



Stereo Review's STEREO BUYERS' GUIDE • 1989

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SDA SRS 2.3
$1099.95 ea.

The Polk Revolution Continues!

"Polk reinvents the loudspeaker"

High Fidelity Magazine

Nearly six years ago the audio world was stunned by Matthew Polk's introduction of revolutionary SDA technology. While other designers had been concentrating on small refinements to existing loudspeaker technology, Matthew Polk opened the door to new frontiers of exciting realism in sound.

True Stereo SDA technology maintains stereo separation all the way to your ears, something which no conventional speaker can achieve. Conventional speakers make it sound like the musicians are trapped in the speaker boxes or in the small space between them. Polk's patented SDA speakers fill the entire width of your listening room with sonic images so breathtakingly real that its just like having the musicians in the room with you. They must be experienced to be believed!



Matthew Polk's award winning SDA SRS 1.2 and the SDA SRS 2.3.

Introducing the SDA SRS 2.3

Introduced two years ago, the flagship SDA Signature Reference System (SDA SRS) is the ultimate expression of loudspeaker technology. A two-time winner of the prestigious Audio Video Grand Prix Award, the SDA SRS was recently chosen by the editors of Stereo Review magazine for their ultimate dream system.

Now being introduced, the SDA SRS 2.3 offers all of the benefits of third generation SDA technology in a slightly more modest package. It is the perfect speaker for those listeners who demand the best and most exciting listening experience but who cannot accommodate the larger SDA SRS.

Words can never fully express the thrilling experience of listening to the new SDA SRS 2.3. Effortless reproduction at live concert levels, distortion free, body-tingling bass and room-filling stereo imaging are executed so flawlessly that when you close your eyes you'll forget that you are listening to speakers at all: Visit your local Polk dealer and experience them for yourself.

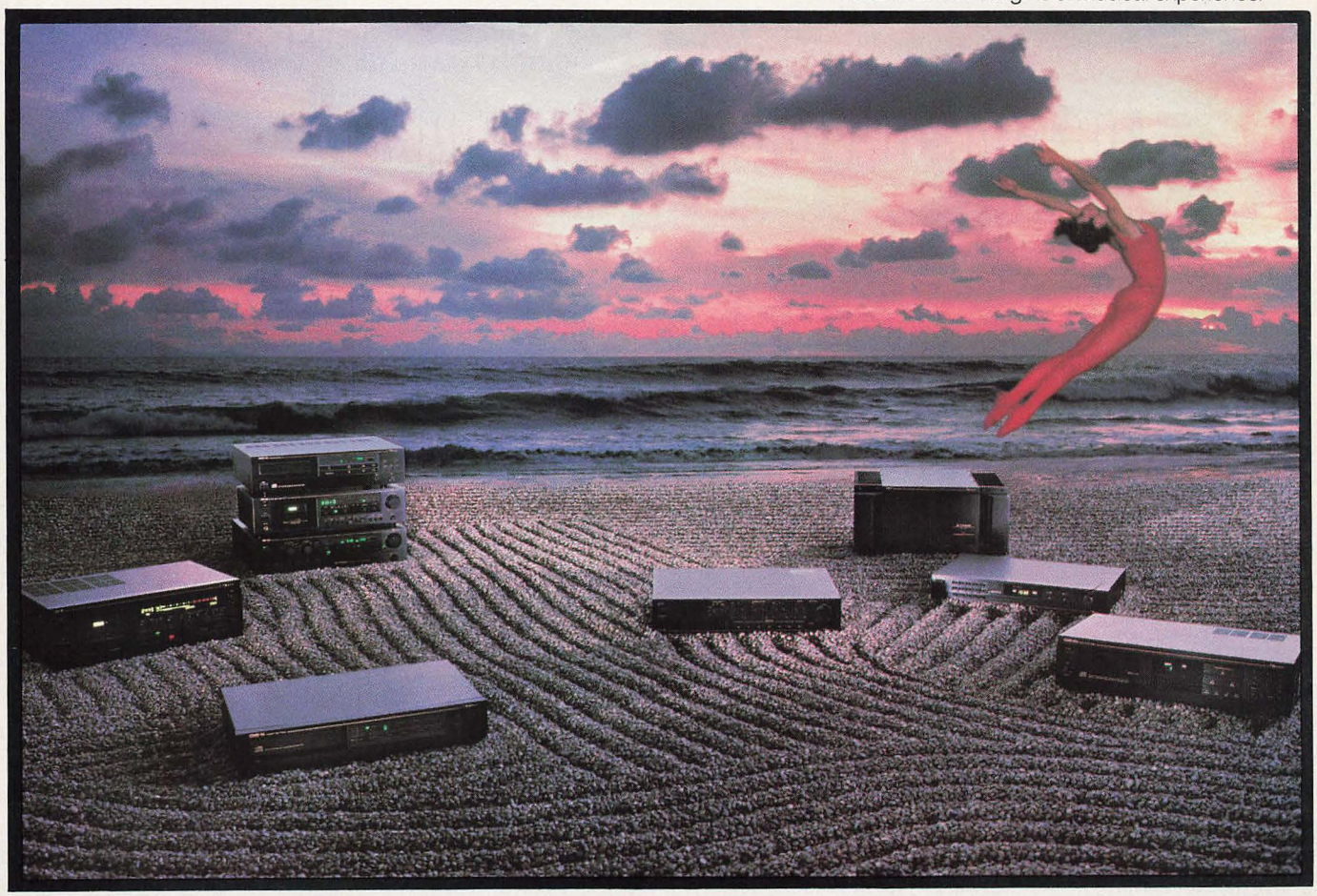
polkaudio

The Speaker Specialists®

5601 Metro Drive, Baltimore, Md. 21215

CIRCLE NO. 90 ON READER SERVICE CARD

Ascend to new heights of musical experience.



Every audio component we engineer is a work of art in its own right. Each one has the integrity of design and technological virtuosity for which we are known.

Combined, these components create harmony and radiance, forming a unique synergy, a perfect match. The ideal *system.*

From the ultimate to the entry level, Nakamichi audio products are designed to produce one thing: the reverie of musical flight.

After all, we know that nothing can make the spirit soar like music.



Presenting our newest receiver, the TA-1A: A milestone product that marks the availability of our first entry-level *system,* putting *The Sound of Nakamichi* within the reach of every music lover. Combine the TA-1A Tuner Amplifier with our OMS-1A Compact Disc Player and CR-1A Cassette Deck and behold a sound so rich, yet so affordable, that the quality and value will startle you.

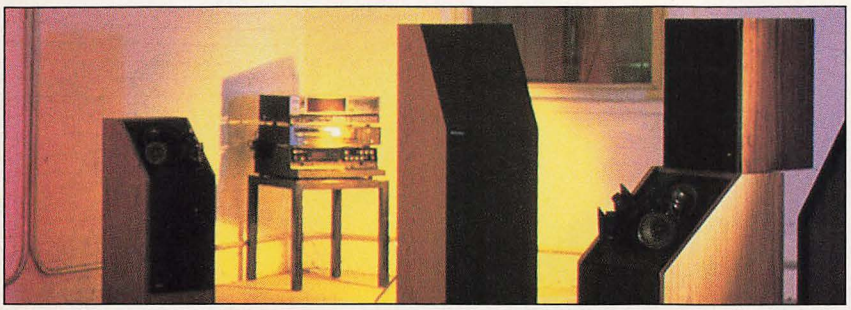
Nakamichi

For the name of your nearest authorized Nakamichi home audio or mobile sound dealer, please call or write:

Nakamichi America Corporation
19701 South Vermont Ave.
Torrance, CA 90502 (800) 421-2313
(800) 223-1521 (California)
Nakamichi Canada (800) 663-6358

STEREO

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Stereo Review®'s STEREO BUYERS' GUIDE 1989

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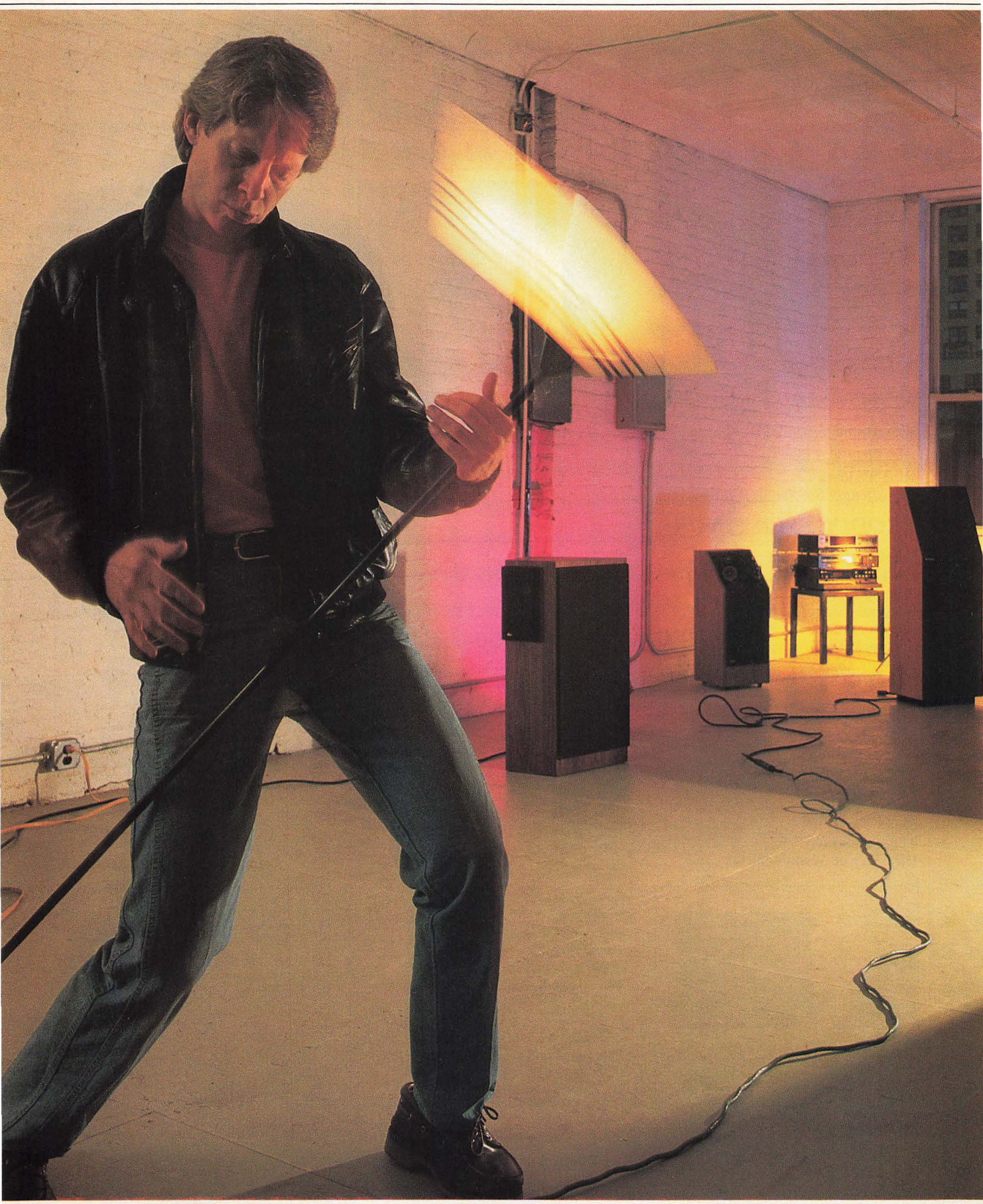
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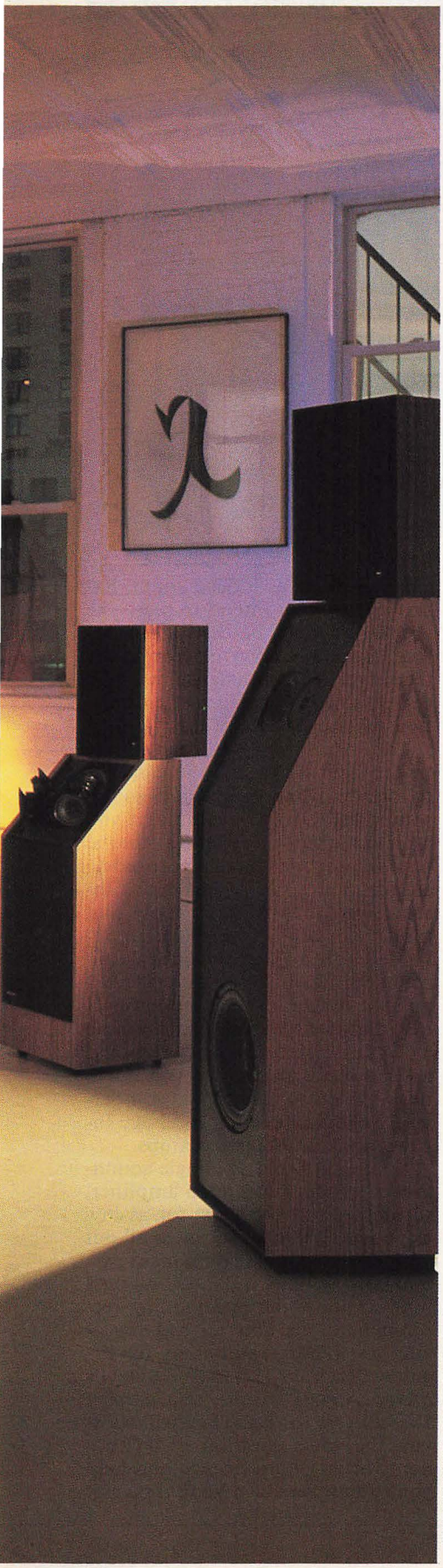
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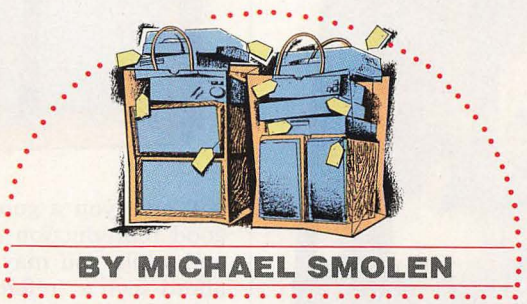




PHOTOGRAPHS BY BARNABY HALL

SOUND FINANCE

Budgeting before you buy can increase the fun of shopping for a new stereo system.



BY MICHAEL SMOLEN

HI-FI equipment can bring a great deal of pleasure into your life. It may tempt some record collectors to play air guitar, do Elvis impersonations, or conduct phantom symphony orchestras in their listening rooms, but the majority of record collectors prefer to sit quietly and listen less athletically.

Today's advanced technology—such as the compact disc system, the laser videodisc, surround sound, and digital signal processing—make this a particularly exciting moment to be in the market for new components. If you are ready to buy a whole new stereo system—even with limited funds—you can have a very good time shopping.

Selecting new components calls for the same kind of care you'd devote to buying a new house or car. If you have a job as a bank teller (or a magazine writer), you wouldn't be shopping for a ten-bedroom, twenty-acre estate in the country, but you could probably handle a very nice condo on the city's perimeter. Similarly, just because you have only $500 to spend on a stereo system doesn't mean you can't achieve good sound in your apartment's living room.

A stereo system means different things to different people. To some it can be as simple as a good Walkman-type portable cassette player with a pair of external speakers (price: about $225). To others it can mean separate components so large, complex, and powerful that to house them you'd need an extra wing on your mansion (price: if you have to ask, you can't afford it).

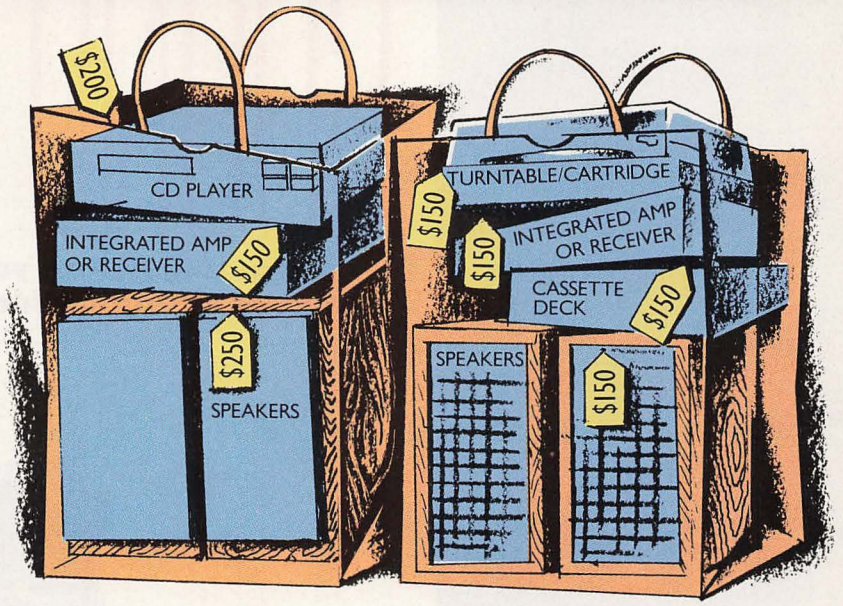
Advance Preparation

Well, what *can* you afford? What equipment do you actually need? How much should you spend on which parts of it? Finding answers to those questions requires some instructive and pleasing homework. And the first thing you have to do has nothing to do with budgeting. It has to do with listening.

Before you can buy any kind of hi-fi system, you ought to know what music *should* sound like, and the only way to do that is to go out and listen to live performances. Go to concerts and make mental notes of what makes music sound good—the impact of sharp transients, the contrast of soft and loud passages, the wide range of frequencies, and the absence of recorded noises. Try to remember what real music sounds like so you can select a system that comes as close to that ideal as possible.

Also, listen to high-quality sound systems at the homes of friends or in upscale audio showrooms. This





ILLUSTRATIONS BY MARK FALLS

will give you a good idea of what good reproduction can sound like, and while you may not be able to afford such a "reference" system, it will set a standard, a goal to aim for in the future.

The next thing you must consider is *where* you'll be listening to your stereo system. Large speakers may impress you in the showroom with bass you can feel as much as hear, but if you live in a thin-walled apartment next to someone with a pacemaker, you'll never hear that bass at home. The size of your listening room is also important because it must contain the equipment you buy and is the space you want to fill with sound. Large rooms require more amplifier power or more efficient speakers for reproduced music to be as loud as in small rooms.

Because different materials reflect or absorb sound differently, the decor of your listening room will influence the sound your system produces. A room with heavy drapes, overstuffed furniture, and plush carpeting will absorb sound. A powerful receiver and careful speaker placement (*not* behind the couch) might be required for acceptable sound reproduction in such an acoustically "dead" room. A room that is acoustically "live"—with hardwood floors, bare walls, and a lot of chrome and glass furniture—will reflect sound waves and won't require as much power or as efficient speakers as a dead room. Exactly where you intend to place the speakers should be considered before shopping since placement affects overall tonal balance and perceived stereo imaging, not to mention the appearance of the room.

The last thing you need to do before figuring your hi-fi budget is to decide what your main sound source will be. For example, if you plan to buy nothing but CD's for the rest of your life, there's no need to spend money on a turntable. Instead, you may want to apply that money toward an amplifier or receiver with a good dynamic-headroom rating, to cope with the expanded dynamic range of compact discs, and better speakers, to handle a CD's extended frequency response and powerful transients. And if you never listen to the radio, you certainly shouldn't buy a receiver. Instead, look at integrated amps.

You can build a single-sound-source system (integrated amplifier, turntable, and speakers) for as low as about $300, or you can go all out with a multisource component system costing up to $100,000 or even more. Follow the preshopping recommendations above, read magazine test reports, and study buying guides such as STEREO REVIEW's *Stereo Buyers' Guide* or *Compact Disc Buyers' Guide.* They will show you the wide selection of components in *every* price range and help you to narrow down your choices.

All amounts given are based on manufacturers' suggested list prices.

All good things come to those who wait.



Finally. A that reproduces not just bits a



Adcom's new GCD-575 Compact Disc Player has been worth waiting for. Now there's a CD player with analog audio circuits as technically advanced as its digital stages.

Since the human ear can only appreciate musical sounds in their analog format, Adcom began with the objective of producing the first affordable CD player whose direct-coupled audio output would deliver the long anticipated technical benefits of digital sound.

Class "A" Makes A Difference

Designers and engineers usually use Class "A" audio circuits where price is no object. In its purest form, Class "A" offers a highly sophisticated level of audio amplification, often demanded by those who can distinguish outstanding sonic performance from the merely average. Adcom's GCD-575 employs a no-compromise, Class "A" analog audio amplifier section which provides superior resolution by more clearly defining low-level information.

CD player all of the music, nd bytes of it.



This higher resolution makes an audibly dramatic difference in the musicality of CD reproduction. To achieve this result, the analog audio circuits in the GCD-575 were based on the same proprietary high speed linear amplifiers used in Adcom's GFP-555 preamplifier, universally recognized for its outstanding musical integrity.

No other CD player at any price uses these superb audio components.

Digital Sound At Its Best

Adcom's selectable analog frequency/phase contour circuit enhances the musicality of CD's which have been poorly mixed, or digitally over equalized. Subtly contoured by the AFPC, many of these CDs become more listenable, with much of the fatiguing harshness and "glare" reduced. In addition, the stereo image and sound stage becomes more focused allowing for a more natural sonic presentation.

(Over please)

The Adcom GCD-575

Details You Can Hear

Importantly, Adcom's CD player is designed with a low output impedance (100 Ohms) so that it can operate up to its maximum capability with a wide variety of associated equipment. It is not only compatible with virtually all input stages of amplifiers, preamplifiers, tuner/preamplifiers, etc., but also permits the use of longer interconnecting audio cables, when required, with minimal signal deterioration.

Additionally the GCD-575 is supplied with a high quality, low-loss audio cable to prevent the sonic smear that conventional audio cables tend to cause. The use of this special cable and the 100 Ohm output impedance permits the GCD-575 to be used with Adcom's SLC-505 passive straight line controller. If no other source equipment will be used, the variable output (front panel controlled) can be used directly into your power amplifier, bypassing the preamplifier circuits normally required by other CD players.

A multi-winding power transformer, connected to three separate tightly regulated power supplies for the audio, digital and display circuitry, insures isolation of the different functions and optimal operation of each without interference.

The four special heavy feet installed on the GCD-575 are reversible metal castings. On one side, the flat surface insures a wide contact area. The reverse side is cast with built-in "Iso-points" which, when used in a three-foot configuration, operates as a "tripod" support system.

A special polarity-inverting switch permits you to reverse the normal positive polarity to negative (inverted) polarity. This corrects playback of CDs in which the polarity was incorrectly recorded (inverted), or for use in systems in which one of the components causes a reversal of correct polarity.



Full Function Remote Control

Specifications

Frequency Response: 5Hz - 20kHz, +0.1, −0.5dB

Signal-to-noise Ratio: 105dB

Dynamic Range: 98dB

THD: 0.0025%

IMD (70Hz difference): @ 5kHz 0.00018%

Channel Separation (1kHz): 95dB

Interchannel Phase Shift: @ 20kHz Less than 1.8°

Output Impedance: Fixed 100Ω/ Variable 100Ω/Digital 75Ω

Output Level: Fixed 2.5V RMS Variable Greater Than 4.5V RMS Digital 0.5V peak-to-peak

Sampling Rate: 176.4kHz

Quantized Bits: 16-bit linear

Power: 120VAC/60Hz (Available in 220/240V, 50Hz)

Dimensions: 17″ (430mm)W × 11-1/4″ (285mm)D × 3-7/16″ (87mm)H

Weight: 12 lbs. (5.5 kg.)

Optional: Model RM-3 rack mount adaptors. Available with white front panel.

Specifications subject to change without notice.

©1988 ADCOM

More Features For Better Value

Other features include a full function remote-control system with random access track capability; low group-delay digital and analog filters; triple-beam laser format; a direct digital output; playback of 3-inch discs without an adaptor; and a very-high-quality headphone output.

The GCD-575's advanced facilities include:

- Programming of up to 24 tracks
- Programming of any phrase
- Audible fast forward and reverse
- Adjustable introscan
- Auto space

Display functions include:

- Elapsed time on track or disc
- Time remaining on track or disc
- Programmed tracks
- Track being played
- Number of tracks up to 20

Why Should You Listen To Us?

Over the years, Adcom has earned a reputation for delivering superb performance at a modest price. The GCD-575 keeps faith with this tradition.

Once again, Adcom clears an innovative path through the jungle of confusing claims about "digital" sound, and provides a logical and direct path to musical purity.

If you've been waiting for a CD player which faithfully reproduces all of the music, not just bits and bytes of it, you'll want to visit your nearest authorized Adcom dealer right now... because while it may be true that all good things come to those who wait, you've waited long enough for a CD player this good.

ADCOM®
fine stereo components

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CIRCLE NO. 61 ON READER SERVICE CARD

Budget Systems

There are two ways to approach the budget system—as a single-source system or as an all-purpose system. Let's say you have $500 to $600 to buy a single-source system (all amounts are based on manufacturers' suggested retail prices) and you've determined that CD's are going to be your source. One way to budget this system would be $150 for an integrated amplifier, $200 for a CD player, and $150 for speakers. The positive aspects of this type of system far outweigh the negative ones. While $150 is not a lot to spend on a pair of loudspeakers, you'll be amazed at how good a CD player can make inexpensive speakers sound. Also, while $150 will probably buy a maximum of around 35 watts of power, speakers at that price are generally very efficient.

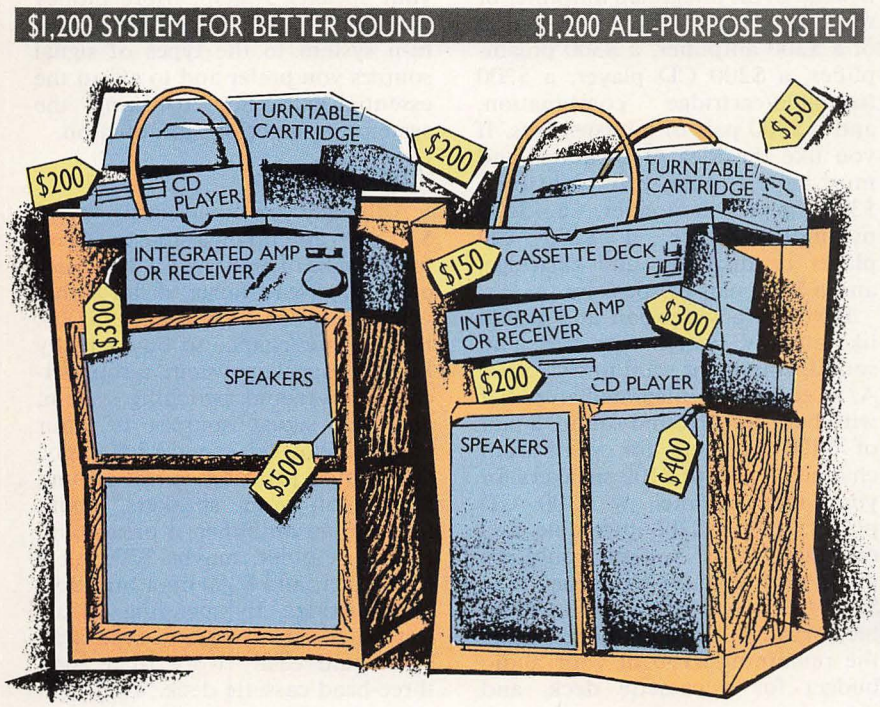
With $600 you could shoot for a more general-purpose system—spending, for example, $150 for a receiver or integrated amplifier, $150 for loudspeakers, $150 for a cassette deck or CD player, $100 for a turntable, and $50 for a phono cartridge. For better sound you might try $150 for an integrated amp or receiver, $250 for speakers, and either $200 for a CD player or $150 for a turntable and $50 for a phono cartridge.

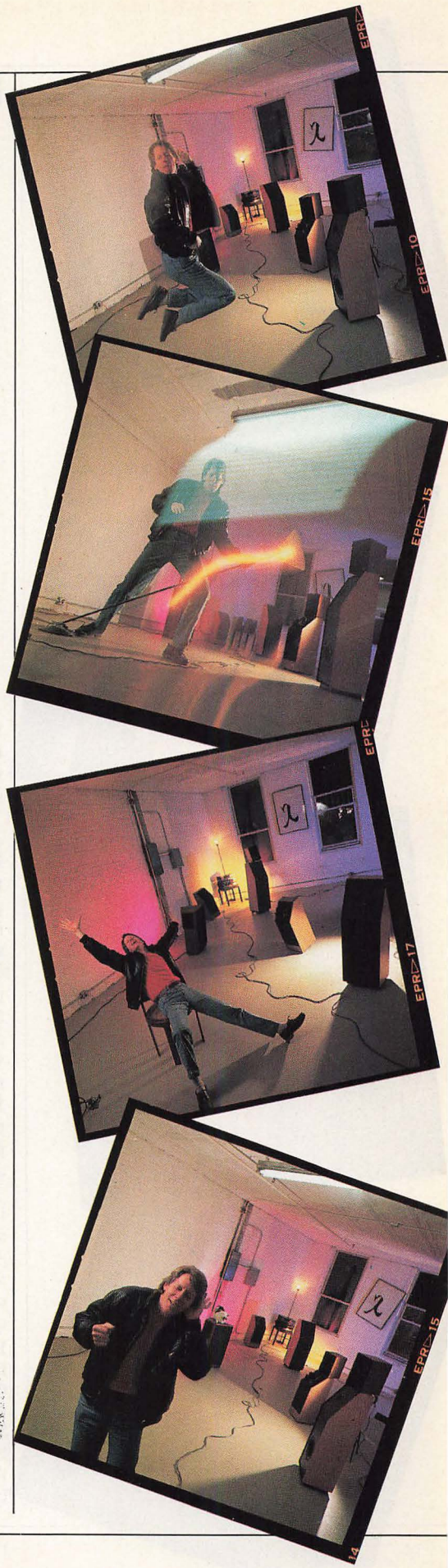
It's not hard to see that shifting around $25 here and there can create quite a different system. There is one guideline, however, that applies equally to the budget-priced system and the extravagant component system. *Always spend as much money as you possibly can on the speakers*, as these are what you're going to be listening to all of the time. While it's practically impossible to hear the difference between a half-dozen $150 receivers, you *can* hear the difference between six different loudspeakers in the same price range.

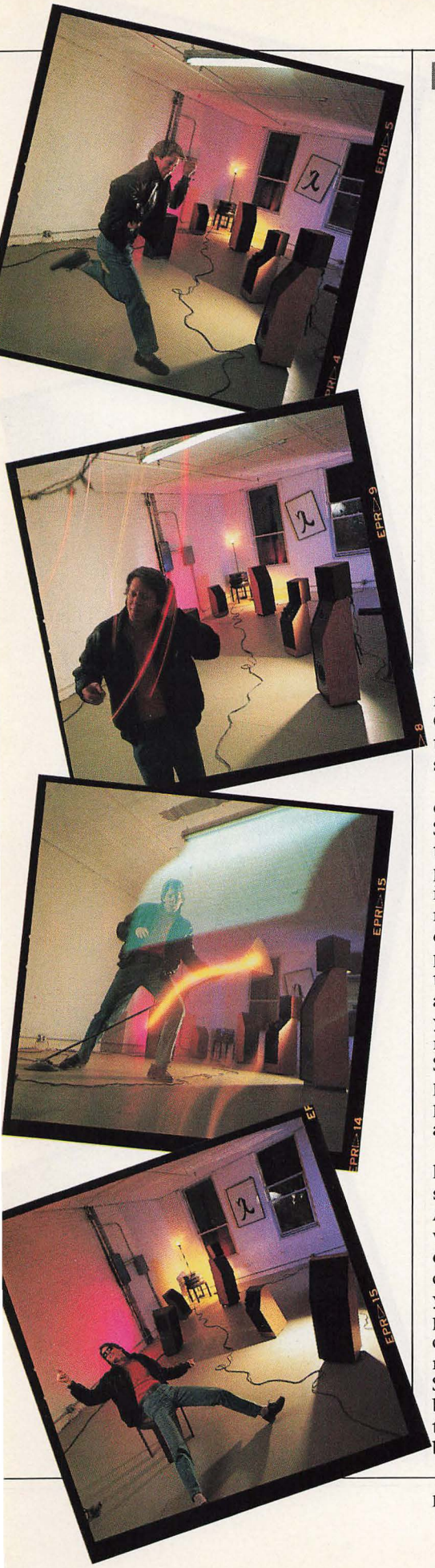
The Vast Middle Range

Truly excellent sound becomes a reality in the $800 to $1,500 range. With this kind of budget, there is little reason to limit yourself to a single-source system, and you'll be able to consider better amplification systems and such "extras" as equalizers ($60 to $1,500) and surround-sound decoders ($150 to $849). Remember, though, that with some surround-sound decoders you'll need a second amplifier for the rear channel, as well as extra speakers.

In the $800 to $1,200 range a "basic" system budget might be divided into $400 for speakers, $300 for a receiver or integrated amplifier, and $300 dollars for either a CD player or a turntable and cartridge. An all-purpose system could contain a $300 receiver or integrated ampli-









fier, a $350 pair of speakers, a $200 CD player, a $175 turntable/cartridge combination, and a $175 cassette deck.

For better sound with a minimum of two sound sources, the $1,000 to $1,500 range allows you to explore the possibilities of separates—a power amplifier and a preamplifier instead of an integrated amplifier or receiver. One system might consist of a $300 amplifier, a $300 preamplifier, a $200 CD player, a $200 turntable/cartridge combination, and a $500 pair of loudspeakers. If you like the idea of separates and must have a tuner, you might try a $300 power amplifier, a $500 preamplifier/tuner, a $200 CD player *or* turntable and cartridge, and a $500 pair of speakers.

If you're a video fan and would like an A/V system with surround sound, you might want to try a $500 A/V receiver or integrated amplifier with built-in surround sound, a pair of $400 speakers for your front channel, a pair of $100 speakers for your rear channel, a $300 CD player, and a $200 turntable and cartridge. This system could be made complete by changing to a $200 CD player and a $150 turntable/cartridge combination, using the remaining $150 in your audio budget for a cassette deck, and adding a $550 color monitor with MTS and $700 for a hi-fi VCR.

Again, in the $800 to $1,500 price range, you will want to spend as much as possible on your loudspeakers. But with the flexibility of more money to spend, you will want to concentrate on better power sources to bring out the best from your speaker system. More money will also enable you to tailor your hi-fi system to the types of signal sources you prefer and to afford the essential extras for "tweaking" the system for superior reproduction.

The High End

Although you could easily spend $100,000 and up on a stereo system, for the sake of reality we will consider the high-end range to fall somewhere between $1,500 and $5,000. Here's your chance to buy a really fantastic speaker system, a sophisticated power and switching system, and the signal sources of your choice. If you can spend $2,500, say, you should probably spend around $1,000 on your speakers, about $800 on an amplifier, a preamplifier, and a tuner, maybe $300 on a CD player, and $200 on a turntable and cartridge. By spending a little less on the speakers and separates, you could easily work in a good three-head cassette deck.

If you're able to go for the full $5,000, sit yourself down in the high-end room of a reputable audio salon and listen to speakers costing between $1,000 and $2,000 a pair. When you find something you like, buy it; you'll still have $3,000 left for the rest of the system!

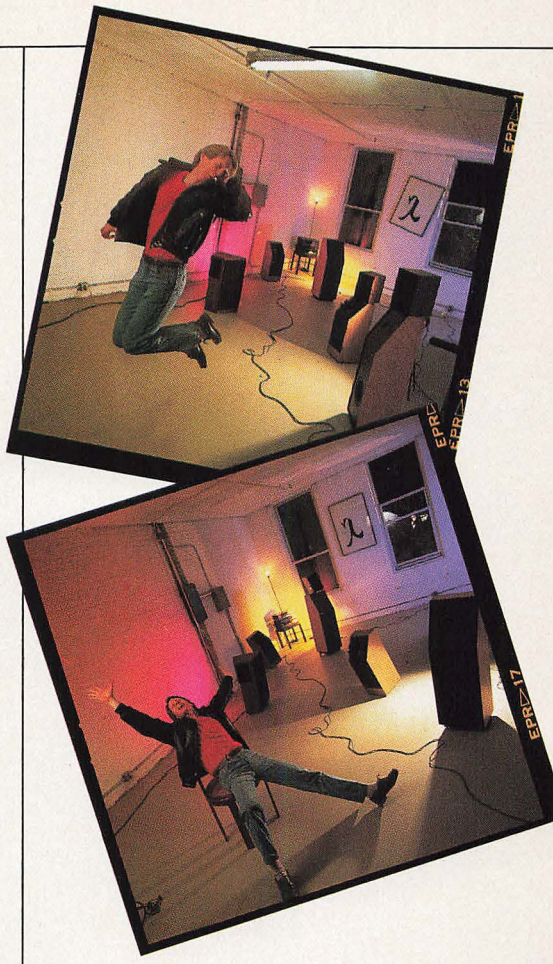
As a member of the high-end school, you'll also have the opportunity to purchase some of the myriad accessories available for keeping both your equipment and your recordings in optimum playing condition. Examples include all kinds of noise-reduction systems, electronic stylus cleaners, full-system remote controls, turntable and CD player isolation systems, high-performance speaker and patch cables, record vacuums, special contact-enhancement formulas, program-route selectors, demagnetizing systems, special headshells, super antennas, cooling systems, and every possible cleaning and polishing formula ever conceived.

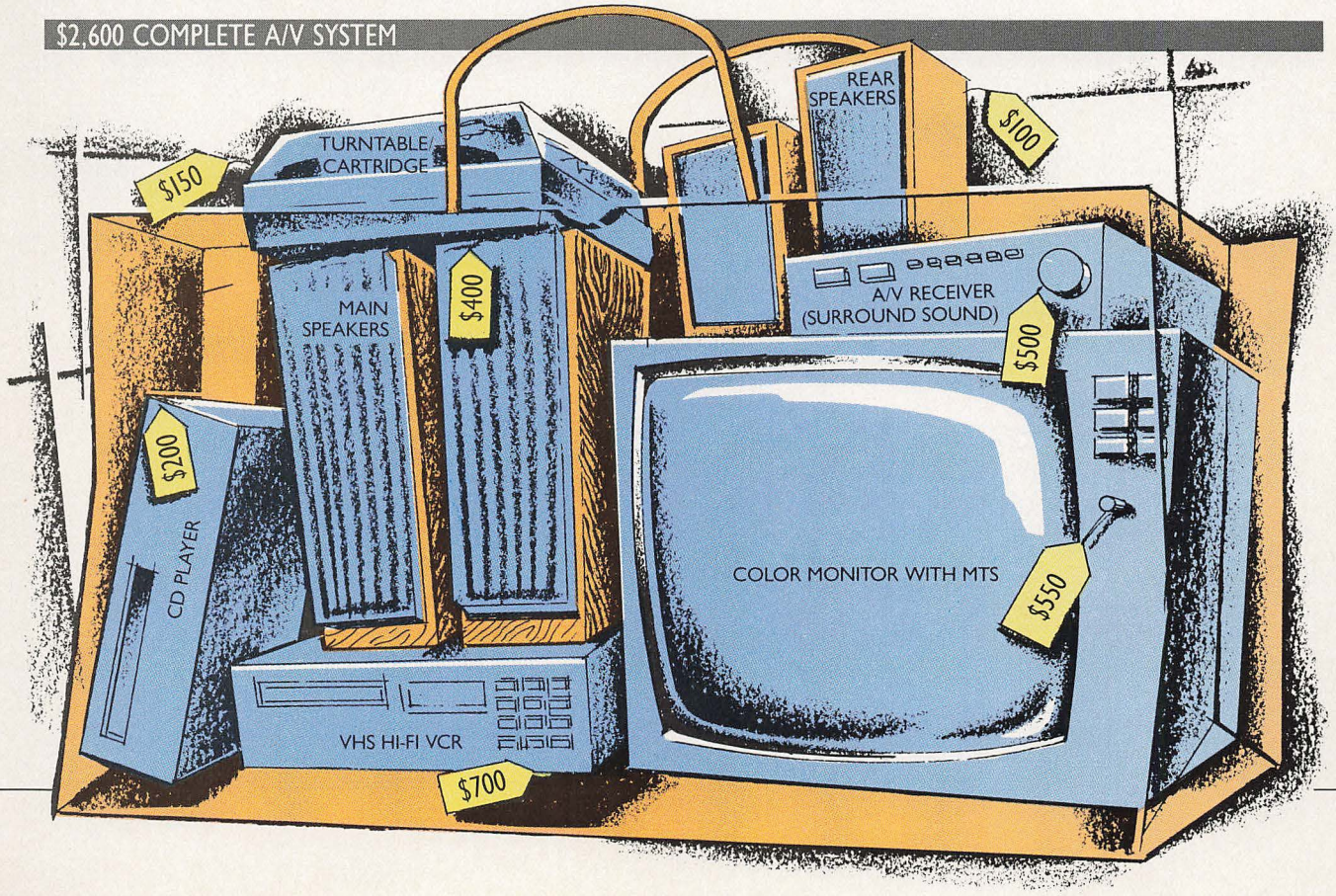
This System's for You

Although the component prices and price ranges discussed have been based on manufacturers' suggested retail prices, *you should never pay retail price for anything*! Try all kinds of stores—audio salons, stereo chain stores, discount outlets, and department stores. Each has its own advantages and disadvantages, and one or another may be right for you because of price, service, selection, location, or just how you feel about a particular store or salesman. A store with good service and friendly, knowledgeable salespeople can be very helpful if your system doesn't sound as good at home as it did in the store.

Remember, you're buying this system for your ears and your music. Take both along when you shop. Depending on the sound sources you plan to purchase, take along a favorite CD, LP, or tape cassette—or all three—when you shop. Choose contrasting selections that you are very familiar with, and remember you are testing components, especially speakers, for how well they reproduce all types of musical sounds, from the soft piano or violin tones of a Mozart concerto to the thundering Moog Taurus bass found on a Genesis record. And finally, before hooking anything up, read all of your owner's manuals, no matter how poorly written. It can save you both time and money while you educate yourself in the pleasures of musical reproduction.

Most important, however, have fun. That's what it's all about anyway, isn't it? □







THE LOUDSPEAKER SYSTEM THAT HAS THE CRITICS PURRING.

"Awesome low end, extraordinarily smooth middles and highs, and remarkably good depth." *—J. Gordon Holt, Stereophile.*

"The audio equivalent of dinner at Le Francais."
—Rich Warren, North Shore Magazine.

"...the cutting edge of technology...left people open mouthed as they left the listening room." *—Nancy Malitz, Gannett News Service.*

"...the latest industry incarnation of an 'ultimate' listening system."
—Ron Scibilia, Audio Times.

"It wasn't the size, the contents or even the price that turned heads, but the knockout sound." *—Larry Johnson, Ovation Magazine.*

Recently, at a carefully selected location in Milford, Pennsylvania, some of the most discerning ears in the business were invited to hear something they'd never heard before. The Altec Lansing Bias™* 550. The first speakers in the world with Pentamplified sound.

And as you can see, the response was overwhelming.

But then the Bias 550 is a system unlike any other. Discrete amplifiers for each of five bandwidths, adjustable by remote control. Providing each speaker cabinet with 750 watts of perfectly sculptured sound.

The Bias 550 is the finest example yet of our commitment to total high fidelity. The flagship to a range of loudspeakers that have consistently pushed back the frontiers of audio reproduction. For more information and an Altec Lansing catalog, call 1-800-ALTEC 88.**

ALTEC LANSING®
Loudspeakers for the well trained ear.

**Built in Amplification System. ** In PA or Canada call 717-296 - HIFI.* *Copyright 1988 Altec Lansing Consumer Products, Milford, PA 18337. © Altec Lansing Consumer Products, Milford, PA.*

CIRCLE NO. 80 ON READER SERVICE CARD

TAPE SYSTEMS

High performance and high style for just under $5,000

THE desire for high style doesn't have to conflict with the demand for high performance—at least when designing a tape-based audio system. To put together a good-looking, good-sounding system, I was given a ticket of $5,000, a tidy sum that represents both the solid middle ground for serious audio enthusiasts and, not surprisingly, the average price of STEREO REVIEW readers' systems.

The NAD 6300 cassette deck ($898) is a good starting point. It's smart because it includes both Dolby B and Dolby C noise reduction and both Dolby HX Pro and Dyneq headroom-extension circuits for nearly unparalleled high-frequency response. The 6300's front panel is as clean as that of a $100 no-frills model, yet its performance specs rival those of many fine decks costing more than twice as much. It's also flexible: A CAR switch compresses dynamic range and boosts bass and treble on recordings for the noisy automotive environment, and Dolby-compatible PLAY TRIM circuitry compensates for high-frequency problems in playing tapes made on other decks.

As source components I chose the Yamaha RX-900U ($799), a receiver with a great tuner, flexible audio/video switching, and a rated 85-watt-per-channel continuous output enhanced by the Absolute Linear Amplification circuit; the dbx DX5 compact disc player ($699), which combines ease of use with excellent performance and proprietary signal-processing circuits; and a Denon DP-35FB direct-drive turntable ($320) fitted with a Signet MR5.0ml cartridge ($350). The RX-900U drives a pair of Design Acoustics PS-5's ($350), mini-bookshelf speaker systems with a particularly clean high end and midrange. Low frequencies are managed by a Velodyne ULD-12 ($1,195), a 12-inch subwoofer with built-in 250-watt amplifier that sounds as good as it looks. Late-night listening isn't a compromise with Azden's DSR-50 phones ($80).

The total system price of $4,691 leaves you just enough to buy some CD's, LP's, and blank tapes. Take a week off from work. You have some taping to do. □

BY WILLIAM WOLFE

Photo by Hing / Norton



TAPE SYSTEMS

A recordist's dream for less than the price of a good sports car

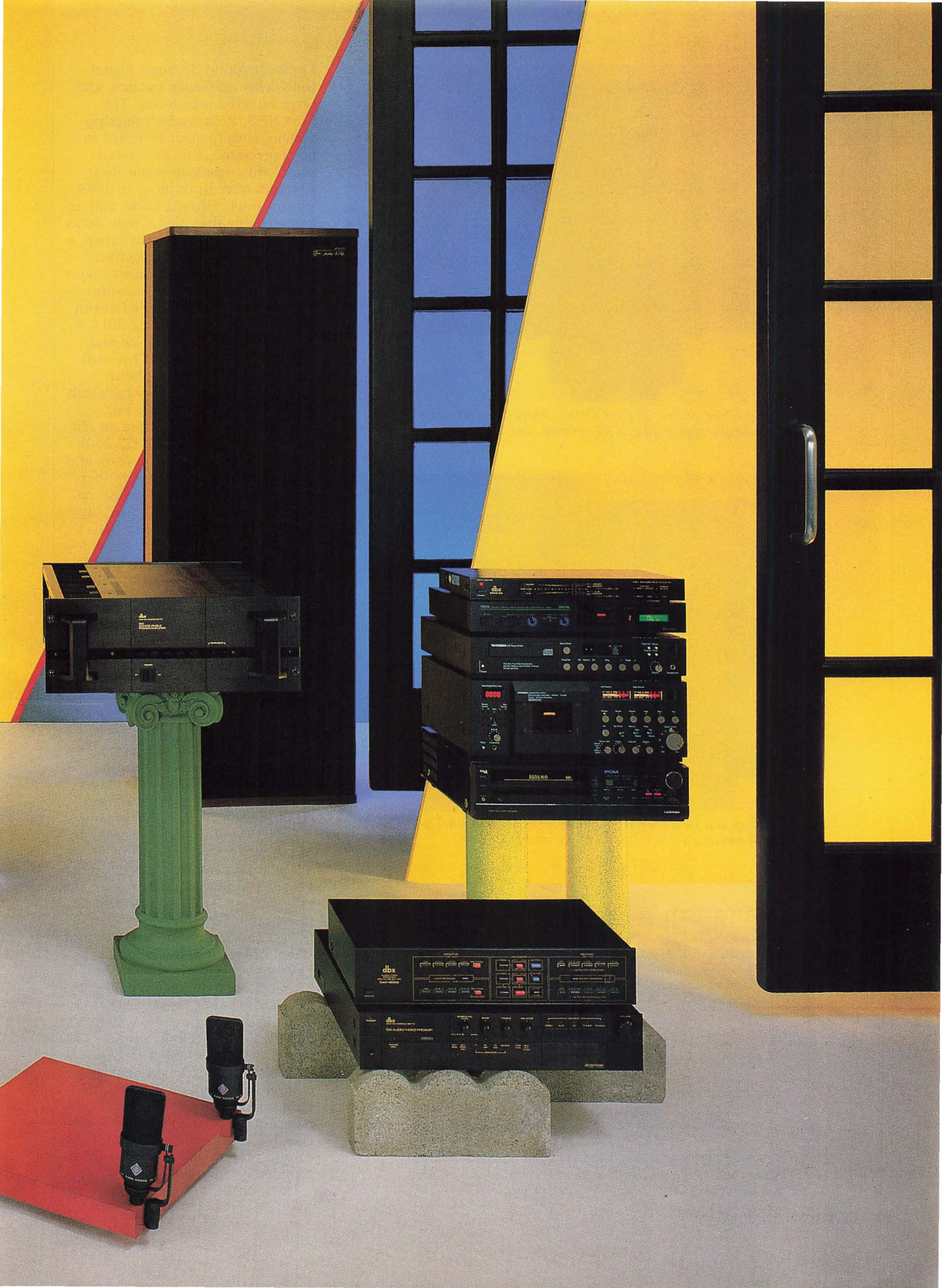


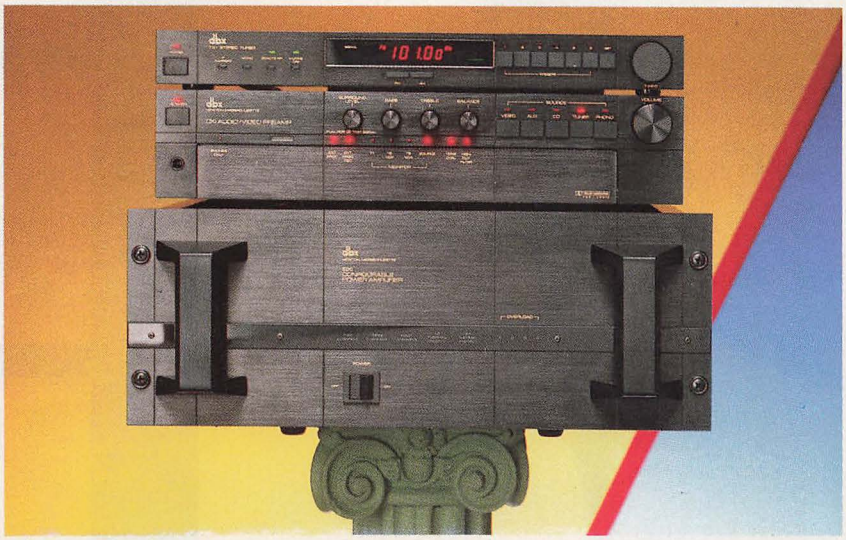
GIVEN unlimited spending ability, I could probably have come up with an even more elaborate system than the one waiting to be assembled and powered up in the accompanying photos. As it stands, however, $37,870 is at least the down payment on a house, and I'd stack this system up against just about anything.

Any stereo system, for recording or otherwise, is only as good as its basics—the power amplifier, preamplifier, and speakers. I chose two of dbx's new BX1 power amplifiers ($3,700 each) and the dbx CX1 preamplifier ($2,500) to drive two pairs of Polk SDA-SRS loudspeakers ($2,990 a pair). The amps provide a minimum of 400 watts per channel into 8 ohms, the preamp includes a dbx-tweaked Dolby Pro

BY MICHAEL SMOLEN

Photo by Roberto Brosan

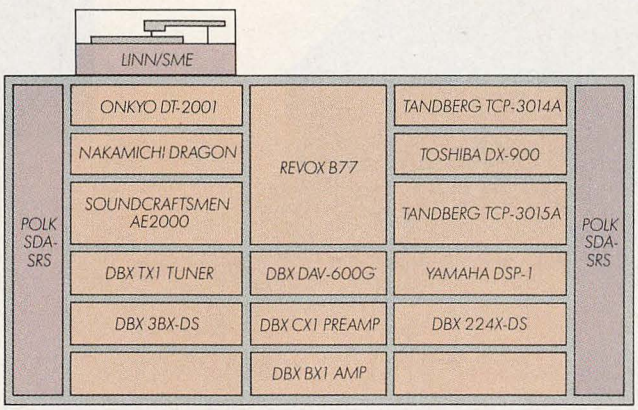




The heart of the system: dbx's BX1 two-, three-, or four-channel configurable power amp, CX1 preamp, and TX1 tuner.



Processing and switching are handled by Soundcraftsmen's AE2000 and dbx's 224X-DS, 3BX-DS, and DAV-600G.



For ease of use, a system like this should be installed with tape decks at eye level and switching devices at chest level.

Logic Surround decoder, digital time-delay ambience circuits, and three buffered tape loops. The SDA-SRS, Polk Audio's flagship system, simply must be heard to be appreciated. I think "sound stage" was redefined when these speakers were introduced in 1984.

Multitrack formats aside, and acknowledging that digital tape decks must still be purchased in Japan, a recording system of this caliber must offer all available taping possibilities. For my main cassette deck I chose Nakamichi's Dragon ($2,195), with a Tandberg 3014 A ($2,500) serving as back-up and dubbing partner. For DAT recording Onkyo's DT-2001 (about $1,800) is my choice of what's currently available overseas. For open-reel recording I chose an old standby, the Revox B77 ($2,250), that has been around for years and is still a standard by which other open-reel machines are measured. Finally, if you've never tried any digital PCM recording onto half-inch VHS videotape, you should—with Toshiba's DX-900 ($1,300).

The Linn Sondek LP12 turntable ($1,165) was an obvious choice. Even the "tweakiest" high-end audiophiles tend to compare almost everything else to the stalwart Linn. It's outfitted with SME's spectacular Mark IV tonearm ($1,250) and Talisman's silky-smooth Virtuoso DTi cartridge ($1,200).

Other sources for the system include the remarkable-sounding Tandberg TCP 3015 A CD player ($2,500) and a dbx TX1 tuner ($600) to match the amp/preamp.

Effective routing and processing of signals in a system of this size is a key to its sonic success, and here I turned to Soundcraftsmen for the very flexible AE2000 one-third-octave graphic equalizer/analyzer ($799) and to dbx for a plethora of signal processors, including a DAV-600G signal router ($399), a 3BX-DS compander/ambience generator ($499), and a 224X-DS Type II noise-reduction system ($299). For surround sound I chose Yamaha's DSP-1 ($999).

Accessories for the system include two Neumann KMS84 microphones ($1,000 each) for live recording and AKG's studio-quality K340 headphones ($235) for careful monitoring of the recorded signal and late-night sessions.

Rock on! □


ELITE
BY PIONEER

HOME IMPROVEMENT.





THE ELITE™ PD-91 FULL 18-BIT CD PLAYER.

If you're still not completely satisfied with CD sound, if you have the nagging feeling something's still missing...you're right. 14-bit, 16-bit or even "floating" 18-bit CD players simply can't deliver all the rich potential of compact disc sound.

It's time for a little Home Improvement—a brilliant improvement at that.

Meet the Elite™ Series PD-91. The compact disc player that lets you hear CD sound in its fullest glory.

The PD-91 employs 8-times oversampling and full 18-bit linear twin D/A converters to yield an amazing 16-fold improvement in retrieval of ambient cues, harmonic detail and "air" around instruments and vocalists. It's an improvement so dramatic your ears will perk up instantly.

To build a player this superior demanded incredible attention to detail. Example: The PD-91's analogue circuitry is pure Class A for lowest distortion and highest musicality. Inside, you'd see four separate power supplies and eleven voltage regulators—to keep critical small-signal audio information free from interference.

To additionally minimize electrical interaction, portions of the PD-91's circuitry are defeatable—like front panel illumination, headphone amplifier and the analogue output section when digital outputs are being used.

The PD-91 incorporates an outboard power transformer, Pioneer's exclusive copper-plated honeycomb chassis and special ceramic components to combat extraneous vibrations that can destroy signal integrity.

The PD-91's special linear motor delivers the world's fastest track access (1/2-second). You also get flexible seven-way programming, full random play, and, of course, full remote control. Optical as well as coaxial outputs make the PD-91 future-perfect as well.

Want instant Home Improvement in your music system? Then come treat your ears to the PD-91. For your nearest Elite dealer, call 1-800-421-1404.

ELITE
BY PIONEER

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THE ELITE LD-S1 LASERVISION PLAYER.

If you want to discover what looking sharp is all about, it's time you took a look at the LD-S1. Because the LD-S1 not only delivers the world's sharpest pictures, it gives you the world's best sound, stunning digital sound simply unavailable from any VCR.

You'll see cleaner, truer pictures—over 420 lines of resolution—due to Pioneer's exclusive Accu-Focus laser pickup and Video Noise Reduction circuit. Together, they yield an unprecedented 48dB video signal-to-noise ratio.

You'll hear the best sounding video ever. Because the LD-S1 uses twin, glitch-free D/A converters and a digital filter with four-times oversampling to produce an S/N ratio of 105dB.

What's more, our exclusive Full-Floating Disc Drive and Magnetic Disc Clamp isolate and stabilize the disc for remarkably reduced picture jitter—an inherent problem videotape players can't begin to solve.

The LD-S1's 8-bit digital field memory also gives you a new dimension of viewing pleasure. You'll get perfect pictures on freeze frame, and new effects like still pictures with sound and strobe motion with sound. And now for the first time, you can enjoy all these special effects while watching movies, opera and concerts on extended-play (CLV) discs.

See the ultimate sight and sound machine at your Elite dealer today. Because in the world of sight and sound, image is everything.

For more information, call 1-800-421-1404.

ELITE
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UPGRADE YOUR IMAGE.



TURBOCHARGE YOUR CD PLAYER.





THE ELITE A-91D INTEGRATED AMPLIFIER.

Now that the compact disc has taken the world by storm, ordinary amplifiers are failing their driving test. Because ordinary amplifiers simply can't handle the dynamic range and purer signal that digital sound delivers.

Fortunately, the A-91D is far from ordinary. Because the A-91D is built with one thought in mind—to maximize the performance of digital sound.

With 170 watts per channel into 4 ohm speaker loads, and 120 watts into 8 ohms, the A-91D unleashes digital's full dynamic range. Extra-large capacitors and huge finned cast-iron enclosed transformers further contribute to the A-91D's high current capacity and stability into speaker loads as low as 2 ohms.

Along with all this power comes unprecedented purity. You can plug the latest CD players with optical outputs directly into the A-91D, and reap the rewards of independent digital conversion circuitry—with twin, glitch-free D/A converters, a digital filter with four-times oversampling, and an analog lowpass filter made from quality discrete parts. The A-91D also uses Pioneer's exclusive Non-Switching™ Type III amplifier circuit to totally eliminate switching distortion. What's more, critical signal paths are kept extraordinarily short for less electronic interference and cleaner sound.

When it comes to digital sound, there's no such thing as good vibrations. That's why the A-91D uses a special anti-vibration honeycomb design in the chassis frame. In isolation barriers between electronic sections. Even in all five insulator feet. A large aluminum volume control knob with a specially balanced brass shaft also absorbs distortion-causing vibration, and printed circuit boards are mounted in rubber for the same reason.

The A-91D is not only ready for digital, it's ready for the future. With six digital inputs (2 optical), and three digital outputs (1 optical).

So if you want your digital sound to drive you to new heights, you need to drive your digital components with the Elite A-91D.

For more information, call 1-800-421-1404.

ELITE
BY PIONEER

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TAKE OUT T



THE ELITE M-90 AND C-90 REFERENCE COMPONENTS

Hum, hiss, crosstalk, vibration: distortion in your audio signal.

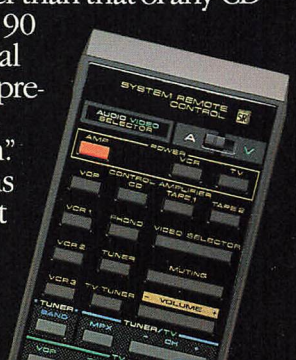
Graininess, specks, flecks, jitter: extraneous noise in your video image.

Garbage.

The Elite C-90 pre-amp and M-90 power amp are no-compromise components designed to get rid of it. By keeping critical signal paths as short as possible. By offering you direct CD connection. By introducing motorized volume control, separate audio and video power transformers, and unique video processing controls like noise reduction, sharpness and detail. By giving you the purest possible audio and video that digital technology has to offer.

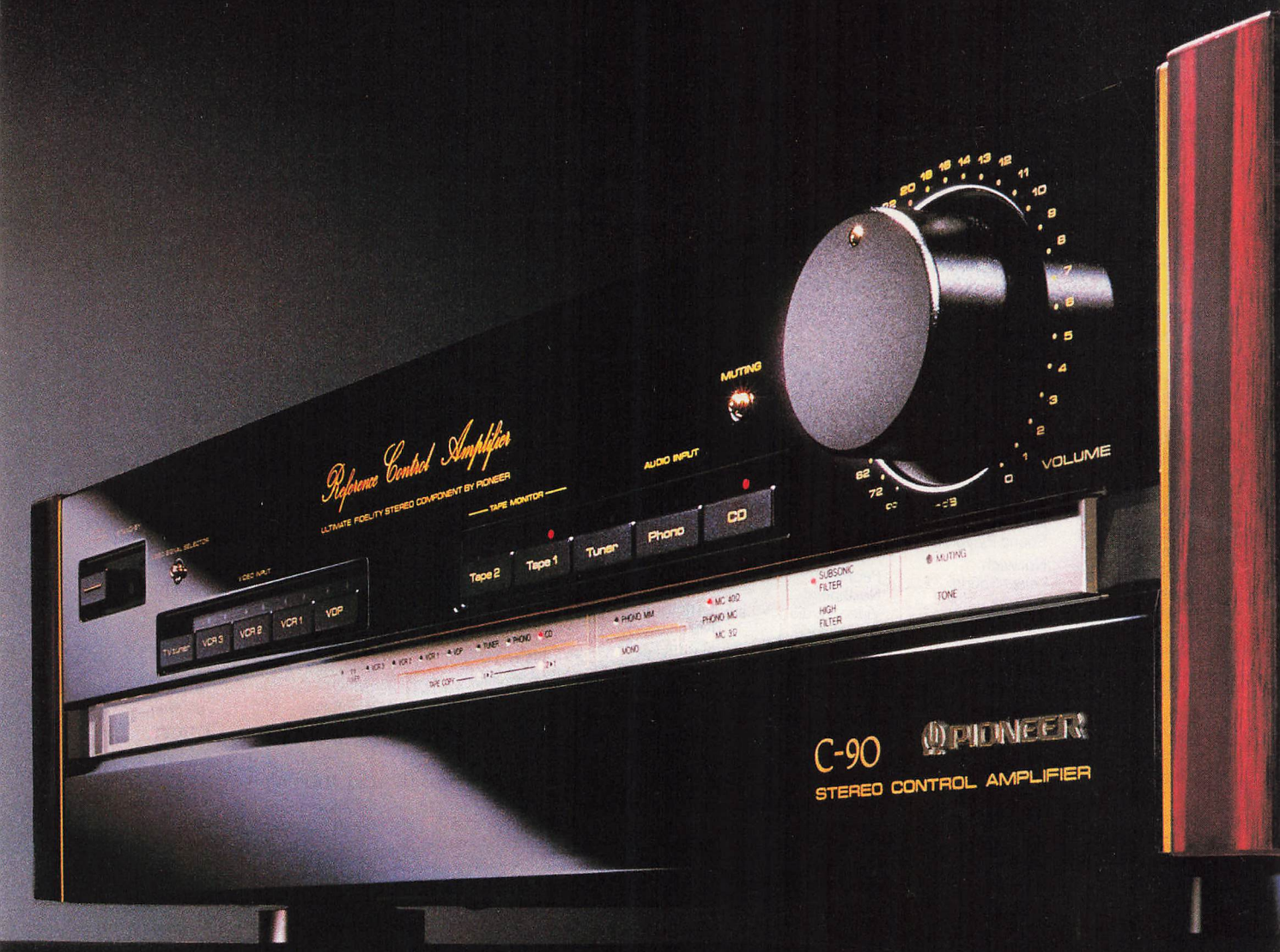
In the words of audio critic Julian Hirsch in *Stereo Review,* "The C-90's signal to noise ratio is considerably better than that of any CD player...that makes the C-90 the *true peer* of any digital sound source—the only pre-amplifier we have tested that can make that claim."

The C-90 also cleans up your video. Because it



*Measured by EIA method. **Based on FTC rules regarding measurement of amplifier power ratings.

HE GARBAGE.



not only controls up to six video components, its video-enhancing circuits actually improve your video image. Now, even rented videotapes take on a whole new look.

But what good is a complete A/V system without remote capabilities? The C-90's "SR"™ System Remote gives you complete control, plus a unique Motor-Drive Volume Control that eliminates the noise created by typical electronic volume controls.

Where the C-90 leaves off, the M-90 takes over. With 800 watts/channel into 2 ohm loads,* 200 watts into 8 ohms,** and remarkably high current capability (47 amps) for low impedance driving, the M-90 delivers the kind of performance digital signals demand. And for unprecedented purity, the M-90 even includes its own volume control for direct connection to your CD player.

The Elite M-90 and C-90 working together. There's just no better way to take out the garbage.

For more information, call 1-800-421-1404.

ELITE
BY PIONEER

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THE ELITE REGISTER

ALABAMA
Florence
Ingram Audio

ALASKA
Anchorage
Magnum Electronics
Kodiak
Island TV

ARIZONA
Phoenix
Integrated Systems
Jerry's Audio
Prescott
Audio Entertainment Systems
Tucson
Jerry's Audio

ARKANSAS
Fayetteville
Amp Audio
Little Rock
Walloch Home Center
Pine Bluff
Stereo Junction

CALIFORNIA
Alamo
Laser Faire
Alhambra
Audio Video Center
Berkeley
Honkers Sound Co.
Burbank
The Lasers Edge
Canoga Park
The Lasers Edge
Encino
Audio Video Electronics
Glendale
Marconi Radio
Goleta
House of Audio Video
Greenbrae
Videola
Irvine
Sound Quest
Los Angeles
Royal Sound
Mill Valley
Videola
Mission Viejo
Videolaser
Monrovia
Video Place
Palo Alto
Western Audio Imports
Sacramento
Paradyme
San Bernardino
Video Mart
San Diego
Convoy Audio Video
Stereo Design
San Francisco
Audio Excellence
Wong's Hi Fi
San Jose
Quement Electronics
Santa Cruz
Water Street Stereo
Santa Maria
Lombards Discount Stereo
Santa Monica
Jonas Miller Sound
Simi Valley
House of Audio Video
Tustin
Digital Ear
Woodland Hills
Wilson Audio Video Entertainment

COLORADO
Colorado Springs
U.S. Tech of Colorado Springs
Denver
Listen Up

CONNECTICUT
Danbury
Sounds Alive
East Hartford
Hi Fi Image
Greenwich
Aud Vid
Groton
Leiser Sound
Newington
Sound Playground
Norwich
Leiser Sound
Orange
Sounds Alive
Stamford
Sounds Alive
Wallingford
Best Buys
Waterbury
Zinno Music
Westport
Sounds Alive

DELAWARE
Wilmington
Laser Sight & Sound

FLORIDA
Altamonte Springs
Boss Audio & Video
Boca Raton
Verns Electronics
Daytona
Electronics Environment
Ft. Lauderdale
Sound Design & Engineering
Melbourne
Audio Mart
Merritt Island
Audio Mart
Miami
Audio Coll
Audio Plus
Kalu
Overseas Electronics
Victors International
Pinellas Park
Cooper For Stereo
Royal Palm Beach
Family Video Super Centers
Stuart
Sound & Vision

GEORGIA
Doraville
Ellie's Hi Fi
Tifton
Berger's Audio & TV

HAWAII
Honolulu
Anderson's Camera & Hi Fi Store

IDAHO
Idaho Falls
Phase Four Stereo
Pocatello
Phase Four Stereo

ILLINOIS
Burbank
Digital TV
Chicago
Mills Recording
Belmont Electronics
Darien
K-B TV
Lansing
Unitek Electronics
Morton
Northpoint Video, Audio & Appliance
Peoria
Northpoint Video, Audio & Appliance
Quincy
First in Video
MusicWorld

INDIANA
Anderson
Disc-O-Tech
Angola
King's Antenna
Crown Point
Crown Electronics
Fort Wayne
Lehman Electronics
Huntington
Lehman Electronics
Logansport
Todd's
Warsaw
Butterfly

IOWA
Fort Dodge
Sound World
Marion
The Audio Room
Orange City
The Movie Express

KANSAS
Overland Park
Audio Video Electronics
ESP Industrial Communications
Salina
Del's TV & Tape Center

KENTUCKY
London
Sounds Around Town
Louisville
Audio Video by Design

LOUISIANA
Baton Rouge
Art Colley's Audio Specialties
Metairie
Alterman Audio
New Orleans
Alterman Audio

MARYLAND
Annapolis
H.A. Hi Tech
Gaithersburg
Audio Buys

MASSACHUSETTS
Auburn
Leiser Sound
Cambridge
Audio Video Environments
Framingham
Natural Sound
Littleton
Music Shack
Nantucket
Berts Electronics
Seekonk
Leiser Sound
Shrewsbury
Leiser Sound
Waltham
The Instant Replay

MICHIGAN
Ferndale
Jam Hi Fi Sound Specialists
Plymouth
Digital Entertainment

MINNESOTA
Edina
Laser Ware
Scholes Enterprises
Fairmont
Bill's Radio & TV
Minneapolis
Peterson Entertainment Design
Richfield
Pro Line Audio
St. Paul
Robert Paul TV

MISSISSIPPI
Meridian
Hoopers Electronic Supply

MISSOURI
Kirksville
Wright Tire & Appliance
Kirkwood
Warner Communications
Oakville
Quality Sight and Sound

MONTANA
Great Falls
Rocky Mountain Hi Fi

NEW JERSEY
Cherry Hill
Soundworks
Cliffside Park
Entertainment Environment
Hamilton Square
Rock Dreams
Livingston
Electromedia Design
Millburn
Professional Audio
New Brunswick
Hi Fi Haven
Woodbridge
Woodbridge Stereo
Wyckoff
Conklin's Audio Video

NEW YORK
Hicksville
Designatron
Huntington Station
Audio Breakthrough
Manhasset
Audio Breakthrough
Merrick
Performance Audio & Video
New York
Audio Breakthrough
Bryce Audio
Custom Media Design
East Side Stereo
Hi Fi Electronics
Lyric Hi Fi
Sound by Singer
Rego Park
Watts That Sound/ Continental Sound
Rochester
Rowe Photo
Scarsdale
The Listening Room
Watertown
The Happy Ear
White Plains
Audio Design
Lyric Hi Fi

NORTH CAROLINA
Albemarle
Music Mart
Durham
Kerr's Audio Visions
Fayetteville
Rhudy's Camera & Video
Hickory
Dacia Electronics
Lenoir
Crowells
Reidsville
Trent's Stereoland

NORTH DAKOTA
Minot
Einstein's Audio/Video
John Iverson Co.

OHIO
Beachwood
Nutec
Cincinnati
Audio Vision Plus
Cleveland
Reserve Enterprises/ Northwood Home Electronics
Mansfield
High Tech Video
Maple Heights
Eric Martins
South Euclid
Atlantis Home Entertainment System
Westlake
New Images Electronics

OKLAHOMA
Oklahoma City
Contemporary Sounds of Oklahoma

OREGON
Astoria
Greenburg's Furniture
Salem
Salem Sound Center

PENNSYLVANIA
Berwyn
Soundex Electronics
Broomall
Hi Fi House
Lancaster
Video Gallery Plus
Natrona Heights
Butch's Sound Shack
Philadelphia
Music on the Square
Willow Grove
Soundex Electronics
York
The Electronics Place

RHODE ISLAND
N. Providence
Eastern Discount
Westerly
Leiser Sound, Inc.

SOUTH CAROLINA
Columbia
Laser Experience
Hartsville
Haynes Electronics
Hilton Head Island
Audio Visual Resources
Georgetown
Stereo Video Center

SOUTH DAKOTA
Sioux Falls
Warren Supply

TENNESSEE
Knoxville
Hi Fi House
Memphis
New Wave Audio and Video
Nashville
Hi Fi Buys

TEXAS
Dallas
Custom Video
El Paso
Casa Sonido
Fort Worth
Marvin Electronics
Houston
Audio Video Plus
Laredo
Jett Sales
Lubbock
American Audio Video

UTAH
Midvale
Inkley's

VIRGINIA
Alexandria
Video Station of Virginia
Franklin
Audio Showroom
Manassas
Audio Buys
Newport News
Sound Approach
Roanoke
Lee Hartman & Sons
Winchester
Sound City

WASHINGTON
Redmond
Home Entertainment by Design
Seattle
Definative Audio

WISCONSIN
East Troy
Video Playground
Glendale
Sound Stage
Green Bay
Sound World
Hayward
M & M Video
LaCrosse
Team Electronics

CIRCLE NO. 35 ON READER SERVICE CARD





a/d/s/

R4 70-W/ch Receiver
Alphanumeric display on front panel indicating input source or received radio station. Digital-synthesized tuner with 30 memory presets for AM or FM stations; wireless remote control (which also controls other a/d/s/ components); digital volume and tone controls; RS-232 port allows control through personal computer; capable of multi-room remote control. Amp section: 70 W/ch into 8/4 ohms; dynamic headroom 2 dB. Tuner section: IHF sens 26 dBf stereo; signal strength for 50-dB quieting 35 dBf stereo; capture ratio 1.5 dB; alt-ch sel 65 dB; max S/N 75 dB mono, 70 dB stereo. 2.8 x 17.5 x 14.8-in; 23 lb $1,400

RC1 Unified Remote Control
Infrared wireless remote controls R4 and other a/d/s/ components $140

AKAI

AA-V435-B 125-W/ch AM/FM Receiver
125 W/ch AM/FM receiver with universal remote; 70 programmable functions; Dolby surround sound with 7 W/ch rear; motor driven volume; variable loudness; 9 audio; 4 video inputs; S-VHS terminals; RF signal selector (3 In/1 Out); sound insert; simulate stereo; source direct; 10-key direct tuning; 20-station random preset; processor terminal; speaker A/B$649

AA-V335-B 100-W/ch AM/FM Receiver
100 W/ch AM/FM receiver with motor driven volume; variable loudness; 9 audio; 4 video inputs; S-VHS terminals; RF signal selector (3 In/1 out) sound insert; simulated stereo; source direct; 10-key direct tuning; 20-station randam preset processor terminals; speaker A/B $549

AA-V235-B 60-W/ch AM/FM Receiver
60 W/ch AM/FM receiver with 62 function unified remote; motor driven volume; variable loudness; 9 audio; 4 video inputs; 10-key direct toning; 20-station random preset; source direct mode; processor terminal; speaker A/B $449

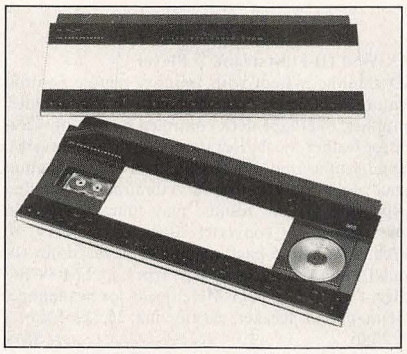
ACOUSTIC RESEARCH

AR X-10 AM/FM Stereo Receiver
Receiver with infrared remote to control power, volume, tuning, input selection, and AR CD player functions. Features audio and video dubbing; close-tolerance metal-film resistors and film capacitors for RIAA; concealed bass, midrange, treble, balance, tone-defeat, loudness, filter, tape, FM/AM, memory, and speaker-switching controls; 8 AM/8 FM station presets; gold-plated phono inputs. Inputs for MM phono; MC phono; tape; AUX; CD player; video sound source; VCR 1; VCR 2. Amp section: 100 continuous average W/ch from 20-20,000 Hz into 8 ohms with less than 0.03% THD, 130 W into 4 ohms; dynamic headroom 2 dB; 200-ms dynamic power 150 W; 40-ampere current capability. FM section: 50-dB quieting sens stereo 25 μV (33.2 dBf); FM S/N (at 65 dBf) 75 dB stereo, 80 dB mono; THD stereo 0.3%; capture ratio 1.0 dB; AM rejection 60 dB; alt-ch sel 75 dB .. $849

AR X-07 AM/FM Stereo Receiver
Receiver with infrared remote to control power, volume, tuning, input selection, and AR CD player functions. Features audio and video dubbing; close-tolerance metal-film resistors and film capacitors for RIAA; concealed bass, midrange, treble, balance, loudness, mono, tape, VCR, tuning, and speaker-switching controls; 8 AM/8 FM station presets; gold-plated phono inputs. Inputs for MM phono; MC phono; tape; AUX; CD player; video sound source; VCR 1; VCR 2. Amp section: 70 continuous average W/ch from 20-20,000 Hz into 8 ohms with less than 0.03% THD, 80 W into 4 ohms; dynamic headroom 2 dB; 200-ms dynamic power 90 W; 40-ampere current capability. FM section 50-dB quieting sens stereo 40 μV (37.2 dBf); FM S/N (at 65 dBf) 75 dB stereo, 80 dB mono; THD stereo 0.3%; capture ratio 1.0 dB; AM rejection 60 dB; alt-ch sel 70 dB $749

BANG & OLUFSEN

Beocenter 9000 30-W/ch Music Center
Remote-controlled music center with AM/FM tuner, cassette deck, and CD player. Features remote control; glass operating panel; computer-intelligence system; timer programming; datalinked source inputs; Tuner section: 20 AM/FM station presets;



automatic search; stereo/mono switch; internal lithium battery for memory backup; double-acting automatic gain control. CD section: quadruple-oversampling digital filter; motorized lid; variable-speed search in both directions; track step; 30-track random programming. Cassette section: autoreverse; motorized lid; Dolby HX Pro; Dolby B and C noise reduction; Auto Azimuth Guidance; Auto Record Level; 23-track programming; track step ... $3,295

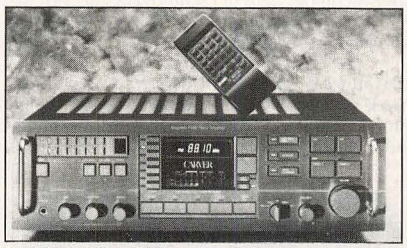
Beomaster 5500 50-W/ch AM/FM Receiver
Includes Master Control Panel remote control and handheld infrared remote; presets for 20 AM and FM stations; Auto Power Handling Control; double-acting auto gain control in FM; volume, bass, treble, and balance controlled from knob on MCP remote; works with other Beosystem 5500 components for multi-room remote control; direct selection of any FM or AM station by frequency; station search; silver and black finish. Power output 50 W/ch into 8 ohms; dynamic headroom 1.5 dB; 50-dB quieting sens 40 dBf; capture ratio 1.7 dB. 16.5 x 3 x 12.75 in; 19.2 lb $2,150

Beomaster 3300 25-W/ch AM/FM Receiver
Works with other Beosystem 3300 components for multi-room remote control; sensi-touch capacitance controls; volume controlled from wireless remote; 4 FM, 1 AM presets; auto power with source selection; bass (max +9, −14 dB at 40 Hz), treble (max +9, −14 dB at 12,500 Hz), balance controls; loudness switch; programmable volume level; Auto Power Handling Control; mounts on wall with accessory brackets; headphone jack; drives 2 pairs of speakers. 25 W/ch into 8 ohms; 50-dB quieting sens 43 dBf stereo; capture ratio 1.7 dB; 24.5 x 2.75 x 10 in; 15.4 lb $880

CARVER

150-W/ch AVR100 Audio/Video Receiver
Magnetic Field Amplifier; 6 AM/6 FM presets; Asymmetrical Charge-Coupled FM Detector; Sonic Holography; bass control boosts or cuts 100 Hz max 8 dB; treble boosts or cuts 10,000 Hz max 8 dB; 4 video inputs, 3 video outputs, with switching and dubbing; antenna/cable switching; surround-sound processor with 50 W; 20-function remote. 150 W/ch. Tuner section: FM sens IHF 2.0 μV; FM 50-dB quieting sens 4.5 μV mono or stereo; capture ratio 1.5 dB; AM distortion at 2 μV 0.6% $1,199

125-W/ch AM/FM Receiver 6250
Features magnetic field amplifier; 6 AM/FM station presets; asymmetrical charge-coupled FM detector; sonic holography; bass, mix, and treble controls; 2 video inputs; 20-function remote control; 125 W/ch; FM sensitivity IHF 2.0 μV $899



150-W/ch AM/FM Receiver 150
Designed for noise-free stereo FM and adequate power for CD's; PLL fully digital-synthesized AM/FM stereo tuner section; Magnetic Field Amp; Asymmetrical Charge-Coupled FM Detector; phono input; video/digital audio input; aux input; 2 tape inputs; 6 station presets; mono switch; bass, mid, treble controls; balance control; switches for tone defeat, speaker selection, tape monitoring, tape dubbing, FM muting, AM noise filter, loudness contour. 150 W/ch into 8 ohms. FM section (stereo, 75 ohms, with Charge-Coupled Detector engaged): usable sens 16.3 dBf (1.78 μV); 50-dB quieting sens 23.5 dBf (4.0 μV) $749

100-W/ch AM/FM Receiver 6200
Features magnetic field amplifier; 6 AM/6 FM station presets; asymmetrical charge-coupled FM detectrol; bass control boosts or cuts 100 Hz max 8 dB; treble boosts or cuts 10,000 Hz max 8 dB; 20-function remote control; 100 W/ch; FM sensitivity IHF 2.0 μV $699

DENON

DRA-1025 AM/FM Receiver
Features 120 W/ch and full function remote control. Inputs for turntable, 2 tape decks, CD player, VCR.

Pre-out main jacks; 5-way speaker terminals; 16 station tuner preset; fluorescent; preset FM scan; variable loudness EQ; simulcast copy function; simulated stereo circuit. THD 0.006% -3 dB at rated output; IMD 0.005%; FR 20-50,000 Hz ±1.5 dB; S/N 110 dB; 6.37 x 17.08 x 15.51-in; 26.46 lb..... $950
DRA-825. Similar to above with 90 W/ch.... $800

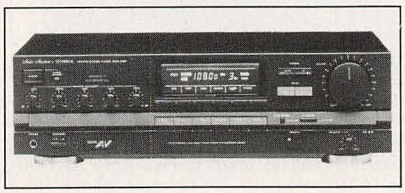
DRA-625 AM/FM Receiver
65 W/ch AM/FM receiver with remote control. Features liquid cooled heat sinks, variable loudness EQ, one-touch source selection, pre-out jacks, 3-way speaker terminals. 16-station random preset memory tuning; auto scanning; last channel tuned memory. THD 0.0095% -3 dB at rated output; IMD 0.025%; FR 20-50,000 Hz ±1.5 dB; S/N phono 88 dB-FM 82 dB-CD/tuner/tape 98 dB; 5.39 x 17.08 x 13.77-in; 21 lb..... $550
DRA-425. Similar to above with 50 W/ch.... $450

DRA-35V AM/FM Receiver
Features 40 W/ch; 16-station preset tuning; auto seek; variable loudness control; last-channel memory; nonswitching Class A amp; A/V in/out; electronic input switching..... $375
DRA-25 AM/FM Receiver
Stereo receiver features straight amplification design; CD direct switch; variable loudness EQ; liquid heat-cooled sink; high-linearity phono stage; 16-station random preset memory; microprocessor assisted tuning system; FL display; auto-scan; up/down manual tuning; last-channel-tuned memory. 30 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.05% THD; FM 50 dB quieting sens 23 μV (stereo); capture ratio 1.5 dB; AM suppression 50 dB..... $380

FISHER

R625B 120-W/ch AM/FM Receiver
AM/FM receiver with 38-function wireless remote control. Features 5-band graphic equalizer; motorized volume control; 24 AM/FM station presets; autoscan tuning; built-in FM muting; FL display; 120 W/ch rms into 8 ohms at 20-20,000 Hz with <0.09% THD; loudness switch..... $450

RS615B 60-W/ch AM/FM Receiver
AM/FM receiver with 37-function wireless remote control. Features 5-band graphic equalizer; motorized volume control; 24 AM/FM station presets;



autoscan tuning; built-in FM muting; FL display; 60 W/ch rms into 8 ohms at 20-20,000 Hz with <0.09% THD; loudness switch..... $350

RS605B 40-W/ch AM/FM Receiver
AM/FM receiver features 5-band graphic equalizer;equalizer; 24 AM/FM station presets; autoscan tuning; built-in FM muting; FL display; 40 W/ch rms into 8 ohms at 20-20,000 Hz with <0.09% total harmonic distortion; loudness switch..... $300

HARMAN KARDON

hk990 Vxi 90-W/ch AM/FM Receiver
AM/FM receiver with digital synthesized quartz-locked tuning and remote control. Features high current/high voltage design; active tracking tuner circuitry; 6 AM/12FM presets; seek tuning; LED signal strength meter; two tape monitors; two A/V monitors; interactive video switching; CD high level inputs; external processor jacks; MC head amp; subsonic filter; mono; loudness; tape copy selector; 2-way A/V; speaker switching; metal chassis.. $1,099



hk880 Vxi 60-W/ch AM/FM Receiver
AM/FM receiver with digital synthesized quartz-locked tuning and remote control. Features high current/high voltage design; 6 AM 12 FM presets; seek tuning; LED signal strength meter; two A/V tape monitors; interactive video switching; CD high level inputs; external processor jacks; subsonic filter; mono; loudness; 2-way tape copy selector; speaker switching; metal chassis..... $749

hk550 Vxi 45-W/ch AM/FM Receiver
AM/FM receiver with digital synthesized quartz-locked tuning. Features high current/high voltage design; 6 AM 12 FM presets; seek tuning; two tape monitors; CD, video, and aux high level inputs; loudness; speaker switching; metal chassis.... $529

hk440 Vxi 30-W/ch AM/FM Receiver
AM/FM receiver with digital synthesized quartz-locked tuning. Features high current/high voltage design; 6 AM 12 FM presets; seek tuning; two tape monitors; CD and video high-level inputs; loudness; speaker switching; metal chassis..... $389

hk330 Vi 25-W/ch AM/FM Receiver
AM/FM receiver with digital-synthesized quartz-locked tuning; 6 AM/12 FM presets; select tuning; two tape monitors; CD and video high level inputs; loudness; speaker switching..... $319

HITACHI

MX-W50 Hi-Fi System/CD Player
CD slimline system with infrared remote control. Features CD player; twin cassette deck, digital tuner, amplifier; dual tape deck controled by microprocessor for feather touch operation; double auto reverse; digital-synthesized quartz tuner locks in station signal; 4-way selection repeat; vibration free floating suspension system; resume play function; built-in timer; single D/A converter 20-station memory; 50 W/ch; 0.9% THD 5-band graphic equilizer; dolby NR equalization switch for all tape types; FR FM 88-108 MHz; FR AM 522-1611 MHz; Jacks for headphone, line-in, phono, speaker, ext antenna; 25.72 x 5 x 14.5 in; 22 lb..... $899
MX-W51. Same as above with HS-W50 Speakers. Speakers feature 8″ poly-coat-cone type woofer; 5″ poly-coat-cone type midrange; 1″ polycarbonate dome type tweeter; nominal power input 70 W; SPL 90 dB; imp 8 ohms..... $1,299

JVC

RX1001VBK Audio/Video Receiver
Audio/video receiver with surround-sound capability. Features programmable remote control with LCD; Digital Acoustics processor; digital Dolby surround; computer-controlled digital synthesizer tuner; preset memory for 40 AM/40 FM stations; auto memory; preset scan; auto QSC; dB indicator; variable stop level; station name indicator; LCD on unit; tape 1, tape 2, DAT, VCR 1, VCR 2, phono, CD inputs; dubbing capability; 3 video inputs; 7-band electronic SEA graphic equalizer with 5 user-programmed and 5 pre-programmed equalizations; interactive CCS; high-gain phono equalizer for MM/MC cartridges; loudness; sleep timer; connections for two pairs of speakers; CATV antenna control unit. 120 W/ch driven into 8 ohms from 20-20,000 Hz with no more than 0.007% THD. Front surround: 110 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.007% THD; rear surround: 15 W/ch into 8 ohms at 1,000 Hz with no more than 0.07% THD..... $1,200

RX999VBK Audio/Video Receiver
A/V receiver with programmable remote control. Features digital Dolby surround; hall; stadium; adjustable digital delay; 3 video inputs; computer-controlled electronic 7-band SEA graphic equalizer with 5 user-programmed settings and 5 pre-programmed settings; digital synthesizer tuner with 40 AM/40 FM station presets; auto memory; preset scan; auto QSC; dB indicator; Dynamic Super-A with Gm Driver; LCD display; interactive CCS; 5-deck connections with full dubbing; loudness and connections for two pairs of speakers; CATV antenna control unit. 100 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.007% THD. Front surround: 90 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.007% THD; rear surround: 15 W/ch into 8 ohms at 1,000 Hz with no more than 0.7% THD..... $840

RX777VBK Audio/Video Receiver
A/V receiver with digital Dolby surround, hall, stadium, and adjustable digital delay. Features 2 video inputs; digital synthesizer tuner with 40 AM/40 FM station presets; auto memory; preset scan; 7-band SEA graphic equalizer; LCD on unit; interactive CCS; loudness and connections for two pairs of of speakers; CATV antenna control unit; programmable remote control. 80 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.007% THD. Front surround: 75 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.007% THD; rear surround: 7 W/ch into 8 ohms at 1,000 Hz with no more than 0.7% THD.... $630
RX777VSBK. As above with unified A/V remote control..... $570

RX555BK AM/FM Receiver
AM/FM receiver with A/V remote control. Features loudness and connections for two pairs of speakers; digital synthesizer tuner with 40 AM/40 FM station presets; auto memory; preset scan; LCD on unit; interactive CCS; 7-band SEA graphic equalizer with equalized dubbing; CATV antenna control unit. 60 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.007% THD..... $420

RX333BK AM/FM Receiver
AM/FM receiver with full-function remote control. Features loudness and connections for two pairs of speakers; digital synthesizer tuner with 40 AM/40 FM station presets; auto memory; preset scan; LCD on unit; interactive CCS; 5-band SEA graphic equalizer; CATV antenna control unit. 45 W/ch into 8 ohms from 40-20,000 Hz with no more than 0.08% THD..... $320

RX222BK AM/FM Receiver
AM/FM receiver with full-function remote control. Features loudness and connections for two pairs of speakers; digital synthesizer tuner with 40 AM/40 FM station presets; auto memory; preset scan; LCD on unit; interactive CCS; CATV antenna control unit. 35 W/ch into 8 ohms from 40-20,000 Hz with no more than 0.08% THD..... $280

RX150BK AM/FM Receiver
Features digital synthesis tuning; 8 AM/8 FM station presets; auto loudness contour; connections for 2 pairs of speakers; FM mode/muting switch. 25 W/ch into 8 ohms from 40-20,000 Hz with no more than 0.5% THD..... $200

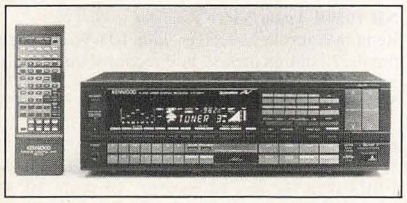
KENWOOD

KR-V127R Audio/Video Receiver
AM/FM receiver with voltage interface gauge (VIG) power amplifier circuit. Features programmable full remote control; three video inputs; video dubbing with audio injection; Dolby/Theater/Stadium Surround; 20-Station Name Preset System (SNSP); 5-category music select presets; 7-band electronic graphic equalizer; 7-band spectrum analyzer; auto-memory entry; equalizer recording switch; MM/MC cartridge selector; speaker A/B selector; 10 W/ch rear speaker amplifier; THD 0.008%; IMD 0.008%; FR 20-

20,000 Hz; S/N ratio 82 dB; graphic equalizer center frequency 60 Hz at 1 kHz; usable sens 10.8 dBf; 50 dB quieting sens 74 dB $699

KR-V107R Audio/Video Receiver
AM/FM receiver with voltage interface gate (VIG) power amplifier circuit. Features unified full remote control; three video inputs; video dubbing with audio injection; Dolby/Theater/Stadium Surround; 20-Station Name Preset System (SNPS); 5-category music select presets; preset scan with music calendar; 7-band electronic graphic equalizer; 7-band spectrum analyzer; FM auto-memory entry; equalizer recording switch; speaker A/B selector; 10 W/ch rear speaker amplifier; THD 0.008%; IMD 0.008%; FR 20-20,000 Hz ±0.5 dB; S/N ratio 82 dB; graphic equalizer center frequency 60 Hz; usable sens 10.8 dBf. 5.25 x 16.56 x 14.5 in; 23.1 lb $599

KR-V87R Audio/Video Receiver
AM/FM receiver with voltage interface gate (VIG) power amplifier circuit. Features system memory; unified full remote control; audio injection; Dolby



surround; 20-Station Name Preset System (SNPS); preset scan; 7-band electronic graphic equalizer; FM auto-memory entry; equalizer recording switch; speaker A/B selector; 10 W/ch rear speaker amplifier; THD 0.008%; IMD 0.008%; FR 20-20,000 Hz ±0.5 dB; S/N ratio 73 dB; graphic equalizer center frequency 60 Hz; usable sens 10.8 dBf; 50dB quieting sens 14.2 dBf. 5.06 x 16.56 x 12.69 in; 18.1 lb $499

KR-V77R Audio/Video Receiver
AM/FM receiver with unified full remote control. Features system memory with NiCad backup battery; video dubbing with audio injection; matrix surround sound; 20-Station Name Preset System (SNPS); preset scan; manual scan; 7-band electronic graphic equalizer; equalizer recording switch; speaker A/B, A+B selector; THD 0.03%; IMD 0.03%; frequency response 20-20,000 Hz ±0.5 dB; signal-to-noise ratio 73 dB; graphic equalizer center frequency 60 Hz; usable sensitivity 10.8 dBf; 50 dB quieting sensitivity 14.2 dBf; IF rejection ratio 86 dB. 5.06 x 16.56 x 12.69 in; 18.1 lb $399

KR-A57R AM/FM Receiver
Features 55 watts per channel; unified remote control; 5-band graphic equalizer; matrix surround; 20-Station AM/FM random preset memory; 10-key direct frequency input; preset scan; electronic inpout selectors; two video sound inputs; speaker A/B selector; THD 0.03; IMD 0.03; FR 20-20,000 Hz ±0.5 dB; S/N ratio 73 dB; graphic equalizer center frequency 60 Hz; usable sens 10.8 dBf; 50dB quieting sens 17.2 dBf; IF rejection ratio 86 dB. 4.31 x 16.56 x 9.31 in; 10.1 lb $329

KR-A47 40-W/ch AM/FM Receiver
Receiver with 16-station AM/FM random preset memory. Features preset scan; automatic/manual tuning; electronic input selectors; video surround; speaker A/B selector; THD 0.03%; IMD 0.03%; FR 20-20,000 Hz ±0.5 dB; S/N ratio 73 dB; graphic equalizer center frequency 60 Hz; usable sens 10.8 dBf; 50 dB quieting sens 17.2 dBf; IF rejection ratio 86 dB. 4.31 x 16.56 x 9.0 in; 11.7 lb. $239

KYOCERA

R-861 Receiver
Features 100 W/ch (continuous rms, both channels driven into 8 ohms, from 20-20,000 Hz, with no more than 0.02% THD); 3-band parametric EQ for tonal adjustment; switchable MM/MC phono preamp; preamp out/main amp in jacks; subsonic filter; quartz-frequency synthesis tuning with high-speed 2,500 Hz comparator for low noise; switchable IF bandwidth; defeatable bass/treble controls; Dolby FM de-emphasis switch; 7 AM and 7 FM preset stations; high-blend feature. FM S/N 76 dB stereo, 82 dB mono; slew rate 50 V/μsec; rise time 1.0 μsec; S/N (IHF-A) phono MC 74 dB, phono MM 85 dB, high-level inputs 100 dB. $1,200

R-661 Receiver
Features 70 W/ch (continuous rms, both channels driven into 8 ohms, from 20-20,000 Hz, with no more than 0.02% THD); defeatable bass and treble controls for tonal adjustment; switchable MM/MC phono preamp; preamp out/main amp in jacks; subsonic filter; quartz-frequency synthesis tuning with high-speed 2,500 Hz comparator for low noise; switchable IF bandwidth; 7 AM and 7 FM presets; high-blend feature. FM S/N 74 dB stereo, 80 dB mono; slew rate 50 V/μsec; rise time 1.0 μsec; S/N (IHF-A) phono MC 64 dB, phono MM 82 dB, high-level inputs 100 dB $900

R-461 Receiver
Inputs for MM phono, 2 tape, 2 AUX, CD player. Amp section: 50 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD driven into 8 ohms; dynamic headroom 2.1 dB; IHF IMD 0.02%; FR 30-15,000 Hz ±1 dB. FM section: alt-ch sel 55 dB; 50-dB quieting sensitivity mono 17 dBf (50 dB), stereo 37.2 dBf (50 dB); max S/N, A-wtd, mono 77 dB, stereo 72 dB; THD mono 0.08%, stereo 0.12%; channel separation 48 dB at 1,000 Hz; capture ratio 1.2 dB. AM section: loop sensitivity 300 μV. 18.12 x 4.31 x 12.12 in; 18.5 lb $650

R-261 Receiver
Inputs for MM phono, tape, aux, CD; Amp section 30 continuous average W/ch from 20-20,000 Hz with <0.05% THD into 8 ohms; dynamic headroom 2.1 dB; IHF and IMD 0.02%; FR 30-15,000 Hz ±1 dB; FM section alt ch selection; 55 dB; 50 dB quieting sens mono 17 dBf; stereo 37.2 dBf; max S/N; A-wtd, mono 77 dB; stereo 72 dB; THD mono 0.08%; stereo 0.12%; sep 48 dB at 1,000 Hz; capture ratio 1.2 dB; AM: loop sens 300 μ/V; 18.12 x 4.31 x 12.12 in $450

LUXMAN

R-117 160-W/ch AM/FM Receiver
Receiver with full-function system remote control including video and video sound switching. Features low-impedance drive capability; CD straight mode; FET differential phono input; 5 gang varactors, dual gate MOSFET's; pre-out/main-in. Power output 160 W/ch from 20-20,000 Hz with <0.03% THD; IMD <0.03% (35 W/8 ohms); S/N 88 dB (MM), 70 dB (MC), 98 dB (CD, tape, A/V); FM sensitivity (stereo) 36 dBf; FM S/N (stereo) 75 dB; FM total harmonic distortion (stereo) <0.1% $1,200
R-115. Similar to above with 75 W/ch; remote control; audio switching/video switching. $800
R-113. Similar to above with 35 W/ch; THD <0.08%. No remote control $450

McINTOSH

MAC 4300V AM/FM Receiver
AM/FM 100 W/ch stereo receiver with remote control. Features MPX filter; 6 station presets; signal-strength indicator; LED display of station frequency; 1 un switched outlet; loudness; 1, 2, and 1+2 speaker selector; 5-band equalizer; scan; headphone jack. Amp: THD 0.02%; IMD 0.02%; FR 20-20,000 Hz +0/−0.5 dB; SN 100 dB. Tuner: S/N 75 dB stereo; FR 20-15,000 Hz +0/−1.0 dB stereo; THD 0.08% at 1,000 Hz; FM S/N 70 dB stereo; FM capture- ratio 1.5 dB; Front panel is brushed black anodized with gold trim; side panels are machined solid walnut with finish; 18.47 x 6.06 x 14 in; 34 lb 5 oz $2,995

MAC 4275 AM/FM Receiver
AM/FM 75 W/ch stereo receiver. Features MPX filter; 5 station presets; signal-strength indicator; LED display of station frequency; Power Guard circuit; 1 unswitched outlet; loudness; 1, 2, and 1+2 speaker selector; 3-band equalizer; scan; headphone jack. Amp: THD 0.03%; IMD 0.03%; FR 20-20,000 Hz +0/−0.5 dB; SN 100 dB. Tuner: S/N 75 dB stereo; FR 20-15,000 Hz ±0.5 dB stereo; THD 0.1% at 1,000 Hz; Front panel brushed black anodize with gold anodize trim; side panels are machined solid walnut with satin laquer finish; 18.25 x 5.25 x 15.5 in... $1,798

MARANTZ

SR3600BL 120-W/ch Receiver
Receiver with Dolby Surround Sound. Features quartz-locked digital synthesis tuning; manual scan; 5-band EQ; remote control; 40 AM/FM presets; preset scan; VCR to VCR dubbing; 3 band tone control; speaker A/B switch; center channel output ... $879

SR3500BL 110-W/ch Receiver
Receiver with 40 AM/FM station presets. Features quartz-locked digital synthesis tuning; manual scan; 5-band EQ; preset scan; VCR to VCR dubbing; 3 band tone control; speaker A/B switch; cable FM input; MMMC phono input selector; matrix sound ... $749

TA-170AV 165-W/ch Receiver
Receiver with 16-preset digital tuning. Features 5-band graphic equalizer; quartz-locked digital synthesis tuning; electronic volume; VCR to VCR dubbing; power meter; inputs for MM phono, tape, CD player; alt-ch sel 50 dB; 50-dB quieting sens, mono 15 dBf, stereo 37 dBf; max S/N 68 dB; THD stereo 0.3%; sep 42 dB; capture ratio 1 dB. 16.5 x 7.25 x 13 in; 34 lb$650

TA-135AV 130-W/ch Receiver
Receiver with 16-preset digital tuning. Features remote control; 5-band graphic equalizer; electronic volume; VCR to VCR dubbing; power meters; inputs for MM phono, tape, CD player; alt-ch sel 50 dB; 50-dB quieting sens, mono 15 dBf, stereo 37 dBf; max S/N 68 dB; THD stereo 0.3%; sep 42 dB; capture ratio 1 dB. 16.5 x 7.25 x 13 in; 30 lb $570

TA-100 100-W/ch Receiver
AM/FM receiver with 16 presets. Features remote control; 5-band EQ; quartz-locked digital synthesis tuning; inputs for MM, phono, tape, CD, 2 video sources; VCR to VCR dubbing; 100 W/ch; 0.1% THD. 16.62 x 5.87 x 12.62 in; 23.7 lb $500

SR3300BL 60-W/ch Receiver
Receiver with 32 AM/FM presets. Features VCR to VCR dubbing; 3 band tone control; speaker A/B switch; audio/video integration; matrix sound $449

SR3200BL 35-W/ch Receiver
Features 16 AM/FM station presets. Features triple tone control; digital tuning; tape monitor; speaker A/B switch $329

SR-560 45-W/ch Stereo Receiver
Features 16 preset digital tuning; 7 band EQ; inputs for MM phono, tape, CD, 2 video sources; VCR to VCR dubbing; 0.3% THD; 11.2 dBf IHF sens. 16.5 x 3.62 x 10 in; 11.9 lb. $250

SR-360 25-W/ch Stereo Receiver
Features 5-band equalizer; 16 preset tuning; inputs for MM phono, tape, CD; 0.3% THD. 16.5 x 3.62 x 10 in; 9.7 lb $200

MITSUBISHI

M-AV1 125-W/ch Audio/Video Receiver
A/V receiver with 125-W/ch features 25-W/ch Dolby Surround Matrix surround; remote control; motorized volume control; bass and treble controls; tone defeat; audio mute; preamp loudness; subsonic filter; high-cut filter; record selector; 16 presets with menu-

switching; on-screen displays of all functions; adjustable LCD display; preset scan; FM muting; headphone jack; 4 audio/video equipment inputs; 3 audio equipment inputs; 2 audio tape outputs; 1 video tape output; monitor outputs; pre-amp loop; THD 0.05%. $1,000

M-AV2 80-W/ch Audio/Video Receiver
A/V receiver with 80-W/ch features Dolby Surround Matrix surround; remote control; motorized volume control; bass and treble controls; tone defeat; audio mute; preamp loudness; subsonic filter; high-cut filter; record selector; 16 presets; preset scan; FM muting; headphone jack; 4 audio/video equipment inputs; 3 audio tape outputs; 1 video tape output; monitor outputs; pre-amp loop; THD 0.05%. . . $800

M-AV3 80-W/ch Audio/Video Receiver
A/V receiver with 80-W/ch features Dolby Surround Matrix surround; remote control; motorized volume control; bass and treble controls; tone defeat; audio mute; preamp loudness; subsonic filter; high-cut filter; 16 presets; preset scan; FM muting; headphone jack; 4 audio/video equipment inputs; 2 audio tape outputs; 1 video tape output; monitor outputs; THD 0.05% $600

NAD

7600 Monitor Series AM/FM Receiver
Wireless remote control; 150 W/ch; power envelope circuitry; +6 dB dynamic headroom; bridgeable; high current output stage; heigh resolution phono pre-amp; MC pre-pre-amp; bass EQ semi-parametric tone controls; wide/narrow IF mode; speaker imp selector; close tracking Soft Clipping; rack mountable $1598

7400 Monitor Series AM/FM Receiver
14 pre-sets; 100 W/ch stereo reciever; power envelpe circuitry; +6.2 dB dynamic headroom; motorized volume; MM/MC switch on descrete 4 transistro phono pre-amp; bridgeable; pre-amp out/main in; rack mountable. $1098

7100 Monitor Series AM/FM Receiver
14 pre-sets; 50 W/ch stereo receiver; power envelpe circuitry; +6.6 dB dynamic headroom; MM/MC switch on discrete 4 transistor phono pre-amp; bridgeable; pre-amp out/main in; rack mountable $748

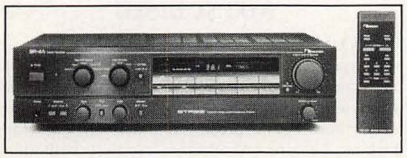
7240PE AM/FM Receiver
40 W/ch; +6 dB dynamic headroom; speaker imp selector; Soft Clipping circuit; Bass EQ high current output stage; low noise phono pre-amp $498

7225PE AM/FM Receiver
20 W/ch; +4 dB dynamic headroom; power envelope circuitry; pre-amp out/main in; 5-way speaker binding posts; Soft Clipping curciut $348

7020e AM/FM Receiver
20 W/ch; high current output stage; Soft Clipping circuit $278

NAKAMICHI

SR-4A AM/FM Stereo Receiver
Stereo receiver with Stasis power amp, multi-regulated power supply, extensive video switching. Inputs for MM phono, MC phono, tape, CD player, video sound source; VCR/laser disc. 60 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; dynamic headroom 1.3 dB; 200-ms dynamic power 80 W. FM 50-dB quieting sens stereo 37.5 dBf; S/N 74 dBA at 65 dBf; THD stereo 0.07%; capture ratio 1.5 dB; AM rejection 60 dB; alt-ch sel 60 dB. 16.94 x 3.94 x 19.56 in; 22 lb, 4 oz. $995



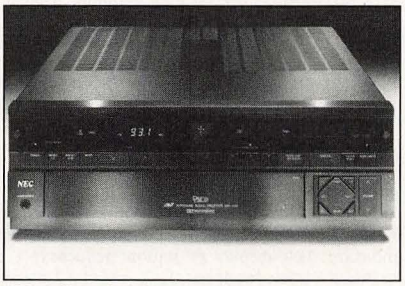
SR-3A AM/FM Stereo Receiver
Stereo receiver with Stasis power amp, multi-regulated power supply, defeatable subsonic filter. Inputs for MM phono, MC phono, tape, CD player, video sound source; 2 video sources. 45 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; dynamic headroom 1.5 dB; 200-ms dynamic power 64 watts. FM 50-dB quieting sens stereo 37.5 dBf; S/N 74 dBA at 65 dBf; THD stereo 0.07%; capture ratio 2 dB; AM rejection 60 dB; alt-ch sel 55 dB. 16.94 x 3.94 x 14.56 in; 18 lb, 12 oz $695

SR-2A AM/FM Stereo Receiver
Stereo receiver with Stasis power amp, multi-regulated power supply. Inputs for MM phono, tape, CD player. 30 continuous average W/ch from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; dynamic headroom 1.7 dB; 200-ms dynamic power 45 watts. FM 50-dB quieting sens stereo 37.5 dBf; S/N 74 dBA at 65 dBf; THD stereo 0.07%; capture ratio 2 dB; AM rejection 60 dB; alt-ch sel 55 dB. 16.94 x 3.94 x 14.56 in; 16 lb, 9 oz $449

TA-1A Tuner Amplifier
Features 35 W continuous average output; <0.10% THD into 8 ohms; MM phono overload 150 mV; MM phono S/N > 78 dB; 10 AM/FM presets; sens 12 dBf; signal strength for 50 dB quieting; multi-regulated power supply; 5 audio inputs; separate bass and treble controls; loudness control; fixed 6 dB per octave subsonic filter; MOSFET vari-acp tuner; auto-seek an manual tuning; 2 switched AC convenience outlets. $329

NEC

AVR-1010 Audio/Video Receiver
AM/FM receiver with built-in Dolby and matrix surround-sound processors. Features unified remote control with LCD readout that can operate other NEC audio and video components; four built-in power amps (one for each front and rear ch); quartz-PLL digital-synthesis tuning; 16 AM/FM station presets; preset scan; FM mute; selectable wide/narrow IF bandwidth; 3 volume level/channel balance presets; computer-controlled volume and input selection; audio mute; a master volume control; front/rear volume control; front-left, front-right, rear-left, and rear-right volume controls; rear and front bass/treble controls; digital delay; headphone jack; tape monitor; mono output. Inputs for phono, CD player, tape deck, AUX, TV, and VCR. Tuner section: FM usable sens 10.8 dBf (0.95 μV); FM S/N 74 dB stereo. Amp section: 100 W/ch into 8 ohms from 20-20,000 Hz with 0.02% THD (front), 50 W/ch into 8 ohms (rear). 17 x 5.5 x 17 in; 35 lb $899



AVR-710 Audio/Video Receiver
AM/FM receiver with built-in Dolby and matrix surround-sound processors. Features unified remote control that can operate other NEC audio and video components; four built-in power amps (one for each front and rear ch); quartz-PLL digital-synthesis tuning; 16 AM/FM station presets; preset scan; FM mute; 3 volume level/channel balance presets; computer-controlled volume and input selection; audio mute; a master volume control; front/rear volume control; front-left, front-right, rear-left, and rear-right volume controls; rear and front bass/treble controls. Inputs for phono, CD player, tape deck, AUX, TV, and VCR. Tuner section: FM usable sens 13.2 dBf (2.5 μV); FM S/N 72 dB stereo. Amp section: 70 W/ch into 8 ohms from 20-20,000 Hz with 0.02% THD (front), 35 W/ch into 8 ohms (rear). 17 x 5.5 x 17 in; 33 lb $699

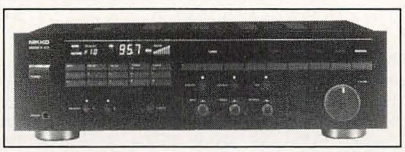
R-510 Audio/Video Receiver
Remote-controlled AM/FM receiver with 16 AM/FM station presets. 50 W/ch into 8 ohms with 0.02% THD $499

NIKKO AUDIO

AVR-65 Audio/Video Receiver
Remote-controlled AM/FM, UHF, CATV stereo receiver with built-in MTS/SAP decoder and 139-channel tuning. Features quartz-locked tuner; 2 video inputs/outputs; 10 AM/10 FM presets. 65 W/ch into 8 ohms with 0.05% THD; FR 20-20,000 Hz. S/N 65 db . $900

NR-1050R Audio/Video Receiver
Remote-controlled receiver with 100 W/ch; 2 tape inputs; 20 station presets; bi-directional dubbing; L/R mic; L/R line; 4-band graphic EQ. $599
NR-850R. Same as above with 65 W/ch $519

R-550 Receiver
55 W/ch at 8 ohms; 1.63 dB dynamic headroom with 10-100,000 Hz per bandwidth; 10 AM/ 10 FM presets; 6-inputs; processor select system; 2 video/image input/output terminals provide bi-directional dubbing; auto record out allows any source to be autmatically routed to all four outputs; THD.04%; FR 20-20,000 Hz/CD input; S/N 80 dB; sep 51 dB; channel sel 75.8 dB $450



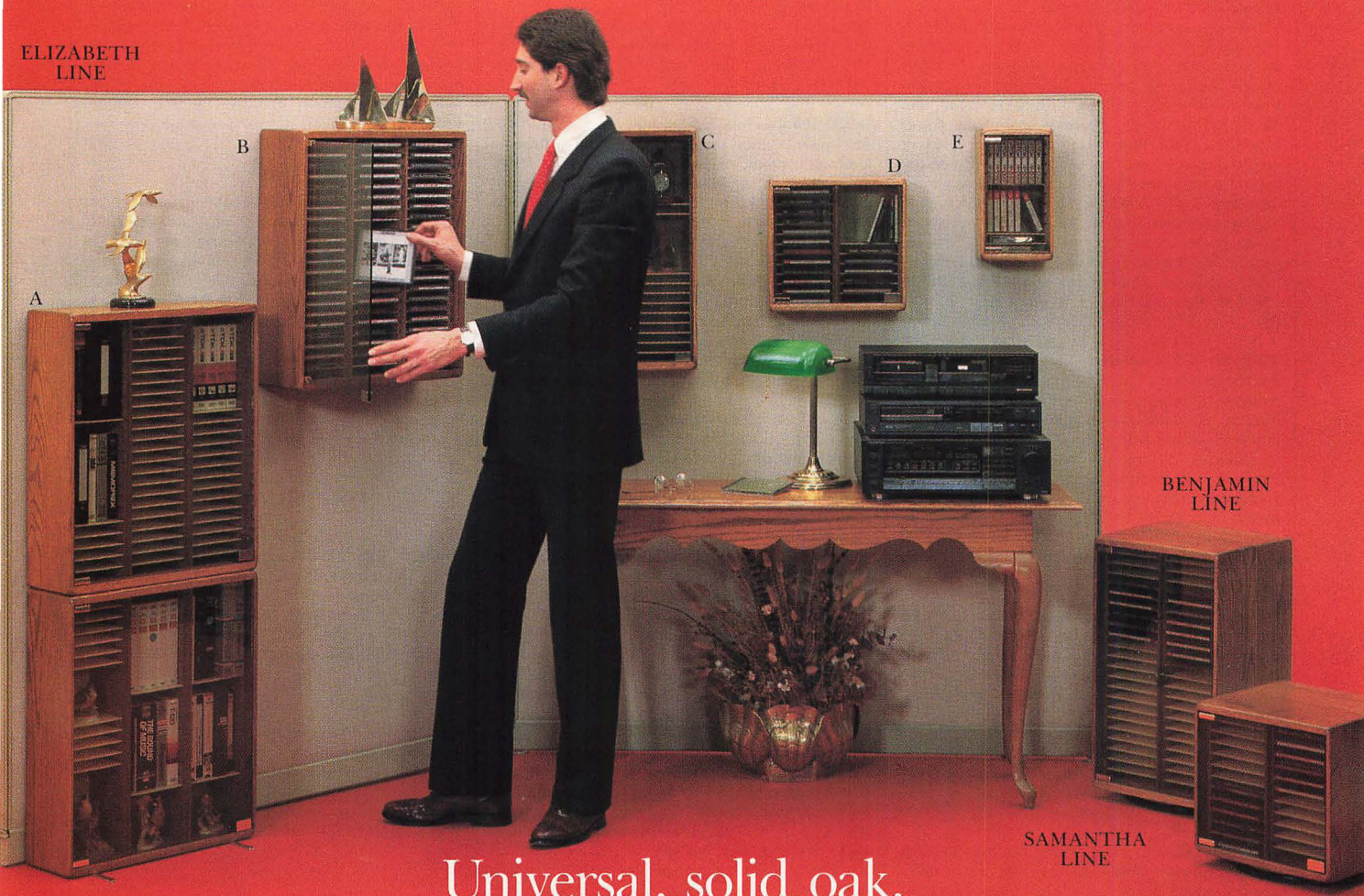
R-400. Identical to R-550 except for processor feature and single direction video dubbing. $350

ONKYO

TX-SV7 Audio/Video Receiver
Audio/video AM/FM receiver with Onkyo's RV-AV7M universal remote control to operate receiver plus a variety of other audio and video componetns. Features built-in MTS decoder for stereo broadcasts; built-in surround-sound processor with Dolby, matix, and hall surround sound; simulated stereo; 12 AM/FM station presets; FM mute; inputs for 4 speakers; bass, treble, and balance controls. Inputs for CD player, phono; VDP, VCR, tape 1, and tape 2. 100 W/ch, 75 W/ch (front) and 25 W/ch (rear) in surround mode. $1,000

Integra TX-108 AM/FM Receiver
Computer-controlled AM/FM receiver with full-function wireless remote control that can also operate selected Onkyo turntables, tape decks, and CD players. Automatic precision reception system controls stereo/mono, local/DX, high-blend on/off, and NR on/off functions. Features real-phase power supply; dynamic bass expander; dynamic transient expander; simulated stereo; preset memory scan; motorized volume control; FM/video simulcast capability. Inputs for MM and MC phono; tape; tape 2; CD player; video sound source; VCR; VDP. Amp section: 100 continuous average W/ch from 20-20,000 Hz into 8 ohms with <0.02% THD. FM section: 50-dB quieting sens 40 μV (37.2 dBf) stereo; capture ratio 1.3 dB; alt-ch sel 70 dB. 18.88 x 5.88 x 18.12 in; 33 lb $900

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Integra TX-88 AM/FM Receiver
Computer-controlled AM/FM receiver with full-function wireless remote control that also operates selected Onkyo turntables, tape decks, and CD players. Automatic precision reception system controls stereo/mono, local/DX, high-blend on/off, and NR on/off functions. Features real-phase power supply; dynamic bass expander; simulated stereo; preset memory scan; motorized volume control; FM/video simulcast capability. Inputs for MM phono; tape; tape 2; CD player; video sound source; VCR; VDP. Amp section: 80 continuous average W/ch from 20-20,000 Hz into 8 ohms with <0.025% THD. FM section: 50-dB quieting sens 40 μV (37.2 dBf) stereo; capture ratio 1.5 dB; alt-ch sel 70 dB $730
CW-X88. Optional woodgrain side panels for TX-88..... $65/pr

TX-850 AM/FM Receiver
Stereo receiver with 68 W/ch rms. Features 160 W/ch dynamic output into 2 ohms; low impedance drive discrete output section; 4-mode APR tuner; 20-station random memory with battery-free backup; selective tone control; CD direct input; stereo image expander; dynamic bass expander; sleep time function; integtrated system remote capability with supplied controller. Amp: FR 20-30,000 Hz ±1 dB. Tuner: capture ratio 1.5 dB; S/N 67 dB stereo; THD 0.25% stereo$500
TX-850M. As above with system remote..... $550

TX-830 AM/FM Receiver
Stereo receiver with 58 W/ch rms. Features 150 W/ch dynamic output into 2 ohms; low impedance drive discrete output section; 3-mode APR tuner; 20-station random memory with battery-free backup; selective tone control; CD direct input; simulated stereo; sleep time function; integtrated system remote capability with supplied controller. Amp: FR 20-30,000 Hz ±1 dB. Tuner: capture ratio 1.5 dB; S/N 67 dB stereo; THD 0.3% stereo $400
TX-830M. As above with system remote..... $450

TX-810 AM/FM Receiver
Stereo receiver with 45 W/ch rms. Features 58 W/ch dynamic output into 2 ohms; low impedance drive discrete output section; 2-mode APR tuner; 16-station random memory with battery-free backup; selective tone control $310

TX-80 AM/FM Receiver
Remote-controlled AM/FM receiver with a computer-controlled automatic precision reception system to control the stereo/mono and local/DX functions. Features electronic feather-touch input selectors; direct tone controls; 16 AM/FM station presets. Inputs for MM phono, CD player, tape 1/video sound, tape 2. Amp section: 33 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.3% THD; FR 20-30,000 Hz ±1 dB. FM section: usable sens 19.2 dBf (5 μV) stereo; 50-dB quieting sens 38.2 dBf (45 μV) stereo; capture ratio 1.5 dB. 17.12 x 3.88 x 12.5 in; 16.5 lb..... $250

PARASOUND

R/HD Receiver Series
All Parasound R/HD recievers feature CMOS electronic logic switching; high current/high speed discrete outputs; high speed linear phono gain stage; oversized power supply; preamplifier output jacks; LEDfunction indicators; separate CD adn video inputs; A/B speaker pairs, separately switched; mono mode select; all-metal chasis and panel; 3-AC convenience outlets; headphone jack.

R/HD-900R Receiver
Full feature, wireless remote control reciever. Features motor driven analog vol control; 16 station presets, 8 AM/8 FM; separate low and high filters; separate record output selector; 2-way tape dubbing; external processor loop jacks; relay protection; THD <0.2%; dynamic headroom 1.5 dB; FR 20-20,000 Hz ±1 dB; S/N 90 dB; 17.25 x 4 x 1.25 in $585

R/HD-600 Receiver
Features 16 station presets, 8 AM/8FM; variable loudness contour; 2-tape monitors; relay protection; THD <0.2%; dynamic headroom 1.5 dB; FR 20-20,000 Hz ±1 dB; S/N 90 dB; 17.25 x 4 x 1.25 in$400

R/HD-300 Receiver
Features 12 station presets, 6 AM/6 FM; switchable loudness contour; single tape monitor; THD <0.2%; dynamic headroom 1.5 dB; FR 20-20,000 Hz ±1 dB; S/N 90 dB; 17.25 x 3.06 x 9.75 in $300

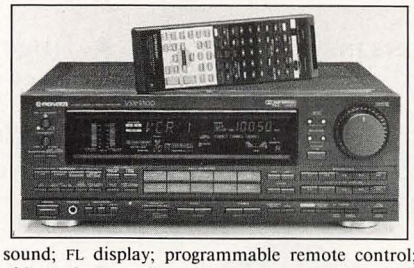
PHILIPS

FR 980 Audio/Video Surround Sound Receiver
Built-in Dolby Surround decoding and amplification; front channels rated 125 watts; 15 watts rear channels; dynamic power of 180 watts, 290 watts; Surround mode switch features matrix, spatial, stereo, mono; 7 brand graphic equalizer with programmable acoustic memory; 50-key universal audio/video remote with LCD display; motor-driven rotary volume control for both channels; digitally synthesized AM/FM tuner with 19 presets; video split screen with video noise reduction; Record Selector provides parallel recording capability; MM or MC phono settings; ambience control switch; 9 audio inputs; 4 audio outputs; 4 video inputs; 3 video outputs; AM and FM antennas; headphone outlet; function display; pre-set Scanning function for AM/FM tuner; re-modulator output jack for optional re-modulator. S/N ratio 75 dB; THD 0.1%; video input sens 1 v p-p/75 ohms. 4.4 x 16.8 x 15.2 in; 35 lb..... $999

FR 880 Audio/Video Surround Sound Receiver
Built-in Dolby Surround decoding and amplification; front channels rated 75 watts; 15 watts rear channels; dynamic power of 110 watts, 175 watts, 190 watts; Surround mode switch features matrix, spatial, stereo, mono; 44-key universal audio/video remote with LCD display; motor-driven rotary volume control for both channels; digitally synthesized AM/FM tuner with 19 presets; 9 audio inputs; 4 audio outputs; 4 video inputs; 3 video outputs; AM and FM antennas; headphone outlet; function display; pre-set Scanning function for AM/FM tuner; re-modulator output jack for optional re-modulator. S/N ratio 75 dB; THD 0.1%; video input sens 1 v p-p/75 ohms. 4.4 x 16.8 x 15.2 in; 25 lb $649

PIONEER

VSX-9300S A/V Receiver
A/V receiver with Dolby Pro Logic surround processor and digital delay. Features type III non-switching amp rated at 125 W front x 30 W rear; motor-driven volume control; 4 audio inputs; video adaptor loop; 4 video inputs; stadium sound; simulated surround



sound; FL display; programmable remote control; video enhancer with split-screen monitoring; VCR noise filter; 5-position remote-operated acoustic tonal setting memory; pre-outs and main input terminals; 30 AM/FM presets; memory scan; manual, automatic, and direct-access tuning; HITS (Hyper Intelligent Tuning System) enables memory display by radio call letter and categories $935

VSX-7300 A/V Receiver
A/V receiver with Dolby Pro Logic surround processor and digital delay. Features type III non-switching amp rated at 125 W front x 30 W rear; 4 audio inputs; video adaptor loop; 4 video inputs; stadium sound; simulated surround sound; FL display; programmable remote control; video enhancer with split-screen monitoring; VCR noise filter; 5-position remote-operated acoustic tonal setting memory; pre-outs and main input terminals; 30 AM/FM presets; memory scan; manual, automatic, and direct-access tuning..... $760

VSX-5300 A/V Receiver
A/V receiver with Dolby Pro Logic surround processor and digital delay. Features type III non-switching amp rated at 100 W front x 15 W rear; 3 audio inputs; 3 video inputs; stadium sound; simulated surround sound; FL display; programmable remote control; video enhancer with split-screen monitoring; 30 AM/FM presets..... $635

VSX-3300S A/V Receiver
A/V receiver with Dolby Pro Logic surround processor and digital delay. Features type III non-switching amp rated at 80 W/ch; 3 audio inputs; 3 video inputs; 5-band graphic EQ; FL display; programmable remote control; video enhancer with split-screen monitoring; 24 AM/FM presets $635
VSX-3300. As above with normal Pioneer SR remote control..... $395

SX-2300 AM/FM Receiver
AM/FM receiver with quartz-synthesized tuning and 60 W/ch. Features speaker matrix sound; simulated stereo for mono sources; 24 AM/FM presets; memory scan; auto tuning; 5-band graphic EQ; A/B speaker selector; FL display; microcomputer control; 5 audio inputs. Imp 8 ohms; FR 20-20,000 Hz; THD 0.07%..... $250

SX-1300 AM/FM Receiver
AM/FM receiver with quartz-synthesized tuning and 40 W/ch. Features 24 AM/FM presets; memory scan; auto tuning; 5-band graphic EQ; A/B speaker selector; FL display; microcomputer control; 5 audio inputs. Imp 8 ohms; FR 20-20,000 Hz; THD 0.07% ... $210

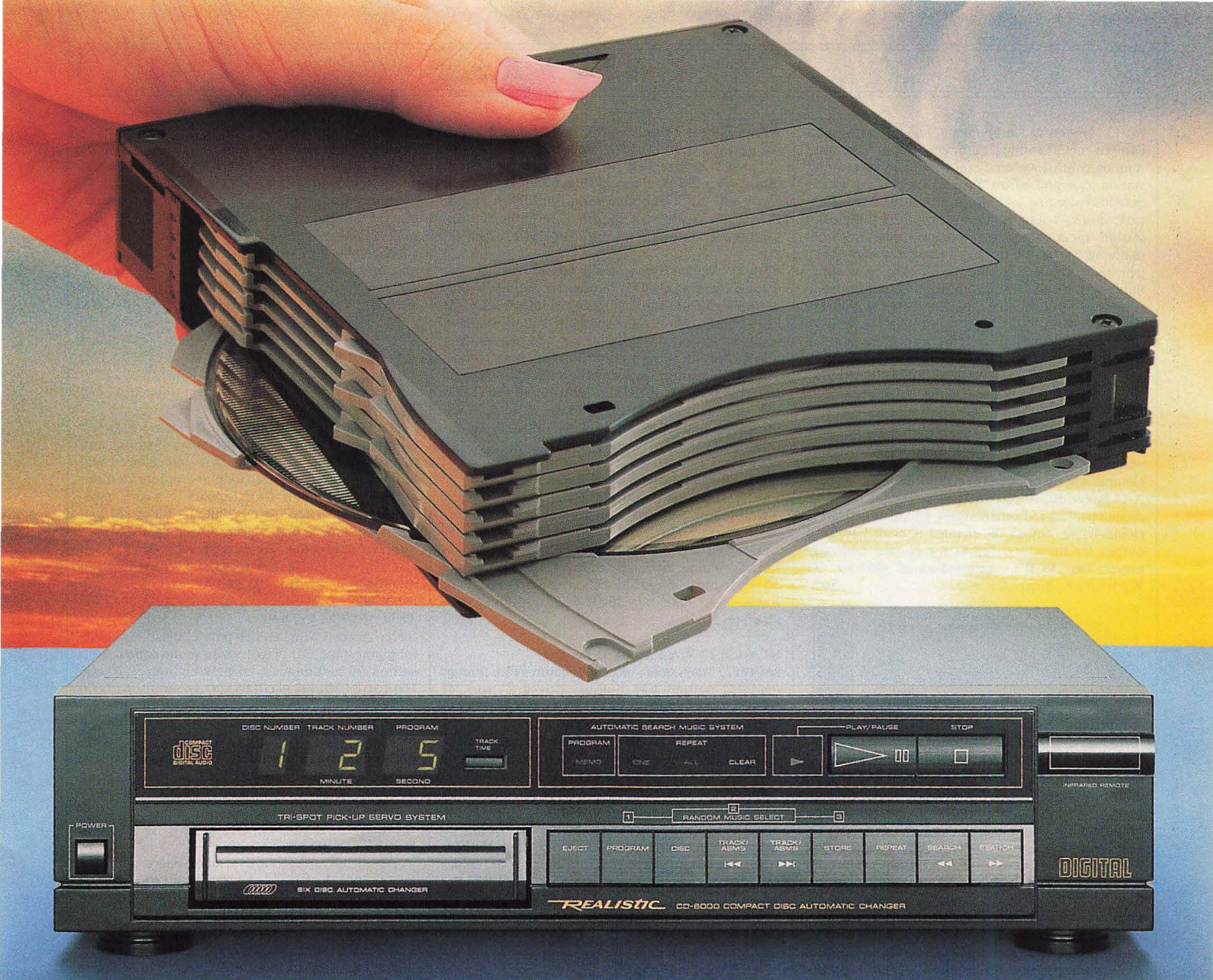
PROTON

D940 AM/FM Receiver
Receiver with Dynamic Power on Demand (DPD) circuitry and Schotz NR. Features high dynamic power capabilities (rating 8/4/2 ohms to 160/280/380 W/ch); 4-gang FM front end; 2-gang AM front end; selectable phono section for MM and MC phono; speaker EQ; separate low-noise MC amp; active volume control; infrasonic filter. Inputs for MM, MC phono; phono 2; tape; AUX; extra AUX; CD; video sound source. Amp section: 40 continuous average W/ch from 20-20,000 Hz with less than 0.02% THD into 8 ohms; dynamic headroom 6 dB; IHF IMD 0.008%; FR 20-20,000 Hz ±0.2 dB. FM section: alt-ch sel 55 dB; adj-ch sel 90 dB; 50-dB quieting sens 33.2 dBf stereo; S/N 70 dB stereo; THD stereo 0.2%; sep 45 dB at 1,000 Hz; capture ratio 1.5 dB. 16.5 x 4 x 10.12 in; 20 lb..... $489

AV-300 AM/FM Receiver
Digitally synthesized stereo receiver. Features Schotz PLL detector. Inputs for MM phono, tape, AUX, video sound source. Remote control optional. 30 continuous average W/ch from 20-20,000 Hz with <0.02% THD into 8 ohms; includes Dynamic Power on Demand which boosts dynamic power to 120 W (8 ohms) with 6 dB dynamic headroom; IHF IMD 0.015%; FR 17-35,000 Hz ±1 dB. FM section; 50-dB quieting sens, stereo, 2.8 μV; max S/N, A-wtd, stereo 70 dB; THD stereo 0.2%; sep 50 dB at 1,000 Hz; capture ratio 1.5 dB. AM section: sens 300 μV/m $459

RCA

MPT200 Audio/Video Preamp Tuner
Dimensia A/V control center with unified remote control and on-screen status indication when used with Dimensia monitor lets you select inputs from up



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to 13 Dimensia components and 5 nonsystem components. Features automatic input selection; remote control volume, mute, direct access and station scan, and off/on; SystemLink cabling; simultaneous recording and playback; auto status indication; auto switching; quartz-PLL synthesis tuning; 20-station random tuning memory; preset channel scanning; FM search tuning; electronic volume control; signal processing loop; preset turn-on volume; fluorescent display; muting; bass, treble, and balance controls; 4 AC convenience outlets. Tuner section: FM sens 12.2 dBf; S/N 73 dB (mono); image rejection 45 dB; sel 60 dB; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB; FM FR 30-15,000 Hz. 14.63 x 4.13 x 13.38 in$349

REALISTIC

AV-900 FM/AM/TV A/V Receiver
Receives VHF TV broadcasts (decodes MTS stereo and SAP), UHF broadcasts, cable-TV channels; 140-channel TV tuner; wireless remote control (needs 2 AAA batteries); video signal processing and dubbing; digital-synthesized tuner; stores 4 pairs of cable/FM channels; RF output on channel 3 or 4; baseband output for monitors. Inputs for phono, tape, CD player, two VCR's, surround-sound decoder. 35 W/ch into 8 ohms $600



STA-2700 Remote-Controlled Receiver
Quartz tuning; 6 AM and 6 FM presets; search tuning; digital frequency display; 5-part LED signal-strength meter; 2-part dual output power meters; 2-way tape dubbing and 2-deck monitoring; loudness control; MPX blend; FM muting; high filter; sonic filter; function LED's; overload and overheating protection. VCR and cassette dubbing capability; 36-key multi-function integrated system remote control; connections for AM loop and indoor/outdoor FM antennas; inputs for CD, phono, tape, VCR-1, VCR-2/VDP, and processor; outputs for headphones, A, B, and A+B speakers; motorized volume control; matte-black finish; pale-blue FL display. Amp: 60 W/ch, THD <0.05%; S/N 76 dB. Tuner: FM usable sens 11.2 dBf mono; S/N 70 dB; THD <0.25%. 5 x 17 x 13.25 in; 21 lb $460

RZ-3000 50-W/ch A/V Receiver
Features quartz-PLL synthesizer AM/FM stereo tuner; 30 random station presets; preset scan; station call memory; extra-large heatsink; low-impedance capability; VCR and cassette dubbing capability; 20-key multi-function integrated system remote control; connections for AM loop and indoor/outdoor FM antennas; inputs for CD, phono, tape-1, tape-2/monitor, and VCR/VDP; outputs for A, B, and A+B speakers; motorized volume control; matte-black finish; pale-blue FL display; headphone jack. Amp: 50 W/ch, THD <0.09%; S/N 76 dB. Tuner: FM usable sens 11.2 dBf mono; S/N 70 dB; THD <0.3%. 5 x 17 x 13.25 in; 21 lb..... $370

RZ-1000 32-W/ch A/V Receiver
Features quartz-PLL synthesizer AM/FM stereo tuner; 30 random station presets; preset scan; station call memory; extra-large heatsink; low-impedance capability; connections for AM loop and indoor/outdoor Remote requires 2 AA batteries. 100 W/ch into 8 ohms..... $500

STA-2380 Digital Synthesized Receiver
AM/FM-stereo receiver with 6 AM and 6 FM presets and IMX stereo expander to extend sound stage and improve imaging precision. Up/down scan, lock; 5 segment fluorescent signal strength meter; dual 7-step output meter MPX blend; high filter cleans up record scratch. Drives 2 pairs of speakers; headphone jack; 2 AC outlets. Inputs for MM phono; tape; tape 2; aux; CD player. Amp section: 60 W/ch into 8 ohms, 98 W into 4 ohms. FM section: 50-dB quieting sens stereo 40 μV (32 dBf); max stereo S/N 70 dB with 65 dBf (1,000 μV) A-wtd; S/N 84 dB phono 100 dB aux; capture ratio 1 dB; AM rej 50 dB; alt-ch sel 70 dB$400

STA-117 Digital Synthesized Receiver
6 AM/6 FM presets; 300-/75-ohm FM and AM antennas; quartz digital tuning; feather-touch manual or auto tuning; 3-LED signal-strength meter; loudness control; subsonic filter. Inputs for MM phono; tape; aux; CD player. Amp section: 30 W/ch into 8 ohms; S/N 84 dB phono; FM section: 50-dB quieting sens stereo 39.8 μV (32 dBf); max S/N with 65 dBf (1,000 μV) A-wtd stereo 60 dB; capture ratio 1.5 dB; separation 40 dB; FM tuner 2.8 μV AM rej 50 dB; alt-ch sel 50 dB $260

STA-785 Digital Synthesized Receiver
Digital synthesized AM/FM receiver with Quartz digital tuning. Features search up or down; feather-touch controls; 6 AM/6 FM presets; FM muting; 5-LED signal-strength meter; loudness control. Inputs for MM phono; tape; aux; CD player. Amp section: 50 W/ch into 8 ohms. FM section: capture ratio 2 dB; Response 40-20,000 S/N 56 dB, 67 aux; AM rej 45 dB; alt-ch sel 50 dB..... $200

STA-130 22-W/ch AM/FM Receiver
AM/FM 22 W/ch stereo receiver. Features PLL tuning; loudness button; FM muting; drives 2 pairs of speakers; stereo/mono switch; bass, treble, volume, balance controls; overheating and overload protection. 5-LED output power meter; Inputs for MM phono; tape; aux; CD player. Amp section: 22 W/ch into 8 ohms. FM section: capture ratio 3 dB; alt-ch sel 50 dB..... $160

STA-19 5-W/ch Personal Receiver
AM/FM 5-W/ch personal reciever with inputs for FM, AM, phono, tape. Features Auto-Magic fine tuning; jack for mini headphones; jack for mini cassette players; special EQ switch; loudness control. 5 W/ch into 8 ohms; S/N 70 dB phono, 72 aux; IHF sens 22.3 dBf; sep at 1,000 Hz 35 dB $120

REVOX

B285 AM/FM Receiver
AM/FM stereo receiver with two microprocessors for control of input sensitivities, output levels, and operating functions. Features alphanumeric multi-mode LCD display; 29 AM or FM presets; level and reception mode (mono/stereo, blend) separately programmable for each preset station; programmable volume limit; -20 dB button; subsonic filter; loudness contour; programmable output levels for A and B speaker pairs; comprehensive speaker protection circuits; serial data bus for external control devices; wireless infrared remote control (transmitter optional). Inputs for phono, tape, CD player, tape 2. Amp section: 70 continuous average W/ch 20-20,000 Hz with no more than 0.03% THD into 8 ohms; dynamic headroom 2.5 dB; FR 20-20,000 Hz ±0.3 dB. FM section: alternate-ch sel 96 dB; adjacent-ch sel 16 dB; 50-dB quieting sens, mono 1.6 μV (15.2 dBf), stereo 19 μV (36.8 dBf); max S/N, A-wtd, mono 84 dB, stereo 80 dB; THD mono 0.15%, stereo 0.3%; sep 43 dB at 1,000 Hz; capture ratio 2 dB. AM section: FR 120-3,000 Hz ±6 dB; sens 36μV; 33 lb $2,995

ROTEL

RX 875 AM/FM Receiver
70 W bridgeable to 180/W AM/FM receiver. Digital tuning with 16 station presets; THD 0.03%; IMD 0.05%; S/N ratio 75 dB; inputs for video $599
RX 855. As above, 14 presets, 50-W/ch $499

RX850A AM/FM Receiver
30-W/ch receiver with 16 random presets. Features RT850 tuner circuitry $449

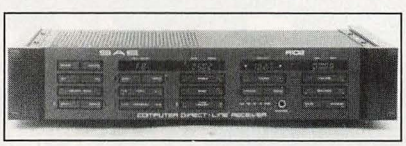
RZ-3000 50-W/ch A/V Receiver
Features quartz-PLL synthesizer AM/FM stereo tuner; 30 random station presets; preset scan; station call memory; extra-large heatsink; low-impedance capability; VCR and cassette dubbing capability; 20-key multi-function integrated system remote control; connections for AM loop and indoor/outdoor FM antennas; inputs for CD, phono, tape-1, tape-2/monitor, and VCR/VDP; outputs for A, B, and A+B speakers; motorized volume control; matte-black finish; pale-blue FL display; headphone jack. Amp: 50 W/ch, THD <0.09%; S/N 76 dB. Tuner: FM usable sens 11.2 dBf mono; S/N 70 dB; THD <0.3%. 5 x 17 x 13.25 in; 21 lb..... $370

RZ-1000 32-W/ch A/V Receiver
Features quartz-PLL synthesizer AM/FM stereo tuner; 30 random station presets; preset scan; station call memory; extra-large heatsink; low-impedance capability; connections for AM loop and indoor/outdoor FM antennas; inputs for CD, phono, tape-1, tape-2/monitor, and VCR/VDP; outputs for A, B, and A+B speakers; matte-black finish; pale-blue FL display; headphone jack. Amp: 32 W/ch, THD <0.09%; S/N 75 dB. Tuner: FM usable sens 11.2 dBf mono; S/N 70 dB; THD <0.3%. 5 x 17 x 13.25 in; 14.5 lb..... $280

X830 AM/FM Receiver
Stereo receiver with LED dial pointer. Features inputs for phone, tape, CD player, video sound source; amp section: 20 continuous average W/ch from 20-20,000 Hz; THD 0.08%; IHF IMD 0.08%; FR (phono) 20-15,000 Hz ±0.3 dB; FR (tape, CD, video) 10-38,000 Hz +1, -3 dB; FM section: alt-ch sel 65 dB; 50-dB quieting sens, mono 4 μV (17.2 dBf), stereo 60 μV (40.7 dBf); S/N 65 dB; capture ratio 2.0 dB. 17 x 3.88 x 13 in; 12.7 lb..... $249

SAE

R-102 Stereo Receiver
AM/FM stereo receiver utilizes an on-board computer to eliminate dependency between front-panel layout and audio circuits. 50 W/ch at 0.025% THD. All controls grouped by function. Features alphanumeric and digital readouts for input functions, tone, volume, balance settings, station frequency and tuner memories; 3 digital tone memories; tuner memory scan; phono power amp; high-current main power amp..... $499

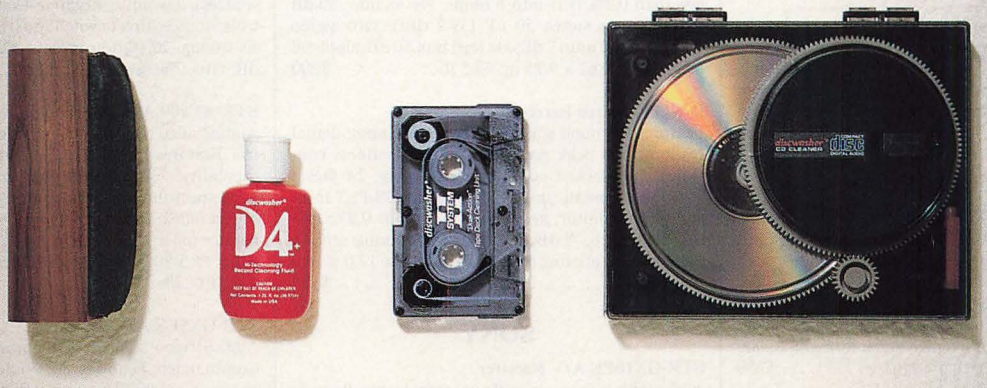


SANSUI

S-X1200 120-W/ch AM/FM Receiver
AM/FM receiver with random presetting of 16 FM and AM stations. Features channel call and preset scan; connections for two VCR's with bidirectional dubbing; sound attacker to add sonic impact to video image; LED power meters; processor terminals; hi-blend; variable loudness; Amp section: 120 continuous average W/ch 20-20,000 Hz with no more than 0.015% THD into 8 ohms; FR 10-70,000 Hz +1, -3 dB. FM section: 50-dB quieting sens,(Mono) 10.8 dBf; 17.31 x 5.34 x 17.12 in; black finish; 30 lb.. $1,000
X900. Similar to S-X1200 except 80 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.02% THD..... $725

RZ-7000 70-W/ch A/V Receiver
Features quartz-PLL synthesizer AM/FM stereo tuner; 30 random station presets; preset scan; station call memory; 5-band graphic equalizer with 5 factory-set patterns; memory for 30 user-set patterns for tuner, and 5 other user-set patterns; 3 extra-large heatsinks; low-impedance capability; VCR and cassette dubbing capability; 36-key multi-function integrated

Without these components your stereo system will sound like dirt.



Dust, lint, even fingerprints, can make an expensive piece of stereo equipment sound like an expensive piece of junk.

Our record, tape, and CD cleaners make these troubles disappear.

Our D4+™ record care system, with its patented cleaning fluid, lifts and suspends dirt from your record and wipes it clean away.

Our tape deck cleaning cassettes work just as neatly. They not only clean your tape heads to keep your music brilliantly clear. They clean the tape path (and all the little parts inside it), so your tapes don't stick and get "eaten up."

CD's? Nothing beats our CD cleaner. It's the only one with true radial cleaning. An ingenious breakthrough that prevents streaks from running along the CD's path, muddying up your music.

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system remote control; connections for AM loop and indoor/outdoor FM antennas; inputs for CD, phono, tape, VCR-1, VCR-2/VDP, and processor; outputs for headphones, A, B, and A+B speakers; motorized volume control; matte-black finish; pale-blue FL display. Amp: 70 W/ch, THD <0.02%; S/N 76 dB. Tuner: FM usable sens 11.2 dBf mono; S/N 70 dB; THD <0.2%. $600

RZ-5000 60-W/ch A/V Receiver
Features quartz-PLL synthesizer AM/FM stereo tuner; 30 random station presets; preset scan; station recall memory; extra-large heatsink; low-impedance capability; VCR and cassette dubbing capability; 36-key multi-function integrated system remote control; connections for AM loop and indoor/outdoor FM antennas; inputs for CD, phono, tape, VCR-1, VCR-2/VDP, and processor; outputs for headphones, A, B, and A+B speakers; motorized volume control; matte-black finish; pale-blue FL display. Amp: 60 W/ch, THD <0.05%; S/N 76 dB. Tuner: FM usable sens 11.2 dBf mono; S/N 70 dB; THD <0.25%. $460

SCOTT

STA1510 Integrated Amp With Tuner
Separate integrated amp and tuner sold together; wireless remote control; 7-band graphic equalizer; LED power meters; digital station readout; gold-plated input jacks. Inputs for MM phono, tape, CD/DAT, video sound source. Amp section: 150 W/ch into 8 ohms. FM section 50 dB quieting sens stereo 10 μV (25 dBf); max S/N 65 dB $550
STA1010. As above, 110 W/ch. $450

RS50 AM/FM Receiver
Receiver with remote control. Features 7-band graphic equalizer; electronic volume control; power meter; loudness control; high filter; 8 AM/8 FM station presets. Inputs for MM phono, tape, CD/DAT, video sound source. Amp section: 50 W/ch into 8 ohms. FM section: usable sens 5 μV (19.2 dBf) $250

RS30 AM/FM Stereo Receiver
Quartz digital-synthesizer tuning section; power output meter; high filter; presets for 8 AM/8 FM stations. Inputs for MM phono; tape; CD/DAT. Amp section: 25 W/ch into 8 ohms. FM section: usable sens 5 μV $150

SHARP

SA-X50AV Audio/Video Receiver
Receiver with multiple audio/video inputs and outputs. Features PLL-synthesis tuner; auto scan tuning; 12 presets; 5-band graphic equalizer; video-enhancer circuit; surround sound. Inputs for tape, CD, video sound source, video 1, video 2. Amp section: 50 continuous average W/ch from 40-20,000 Hz into 8 ohms with <0.5% THD. $250

SA-X35 AM/FM Receiver
Features quartz digital-synthesis tuner; 5-band graphic equalizer; auto scan tuning; loudness switch; A, B, A+B speaker selector; 6 AM/6 FM presets. Inputs for MM phono, tape, CD player. Amp section: 35 continuous average W/ch 20-20,000 Hz with no more than 0.5% THD into 8 ohms; IHF IMD 0.15%; FR 15-35,000 Hz ±3 dB. FM section: adjacent-ch sel 56 dB; max S/N 68 dB stere; THD 0.3% stereo; sep 32 dB at 1,000 Hz. Black or silver. 17 x 3.69 x 10.5 in; 10 lb $200

SHERWOOD

RA-1340R Dolby Surround Receiver
Receiver with full-function infrared wireless remote control. Features surround sound; 2 video inputs; video enhancer; 5-band graphic equalizer; direct switch; quartz-locked computerized tuning; 30 preset stations; preset scan; automatic tuning; dual- gate MOSFET; tape monitor; headphone jack; IMD 0.04%; S/N ratio 79 dB; FR 9-100,000 Hz; usable sens 11.2 dBf; 50 dB quieting sens 19.2 dBf; THD 0.15%; 50 dB stereo sep at 1 kHz; alt-ch sel 70 dB. 5.1 x 17.3 x 15.0 in $649

RA-1240R Receiver
Receiver with full-function infrared wireless remote control. Features surround sound; video sound input; 5-band graphic equalizer; quartz-locked computerized tuning; 30 preset stations; preset scan; automatic tuning; dual- gate MOSFET; tape monitor; headphone jack; 70 W/ch; IMD 0.05%; S/N ratio 75 dB; FR 8-40,000 Hz; usable sens 11.2 dBf; 50dB quieting sens 39.2 dB; THD 0.2%; capture ratio 2 dB; alt-ch sel 60 dB. 5.1 x 17.3 x 15 in $489

S-277ORCP AM/FM Receiver
Digital-synthesized AM/FM-stereo receiver with digitally controlled 7-band EQ and LED spectrum analyzer. Features 4 EQ memories; 16 station presets; video dubbing; infrared remote control; surround sound; front-panel 2-ch-audio VCR input; MOSFET input stage; inputs for tape, CD player; video sound source; amp section: 74 continuous average W/ch from 20-20,000 Hz with less than 0.3% THD into 8 ohms; capture ratio 1.5 dB; AM rejection 55 dB; alt-ch sel 70. . . . . $430

S-275OCP AM/FM Receiver
AM/FM-stereo receiver with 5-band graphic EQ. Features 16 station presets; surround sound; MOSFET input stage; auto-scan tuning; quartz-PLL digital-synthesized tuning; inputs for tape, CD player, video sound source; amp section: 55 continuous average W/ch from 20-20,000 Hz with less than 0.2% THD into 8 ohms; capture ratio 2 dB; AM rejection 50 dB; alt-ch sel 65. 17.36 x 4.62 x 9.25 in; 15 lb $250

S-2730CP AM/FM Receiver
AM/FM-stereo receiver with quart-PLL digital-synthesized tuning. Features 16 station presets; auto scan; surround sound; MOSFET input stage. Inputs for tape; aux; CD player; video sound source. Amp section: 35 continuous average W/ch from 20-20,000 Hz with less than 0.2% THD into 8 ohms. FM section: 50-dB quieting sens stereo 50 μV (39.2 dBf); THD stereo 0.5%; capture ratio 2 dB; AM rejection 50 dB; alt-ch sel 65. 17.36 x 4.62 x 9.25 in; 13.5 lb $200

RA-1140 Stereo Receiver
Features surround sound; video sound input; digital readout; LED peak power indicators; loudness control; quartz-locked computerized tuning; 24 preset stations; automatic tuning; dual gate MOS-FET front end; tape monitor; headphone jack. THD 0.2%; IMD 0.3%; S/N ratio; 75 dB; FR 8-40,000 Hz; usable sens 11 2 dBf; 50dB quieting sens 39.2 dBf; 4.1 x 17.0 x 15.0 in $189

SONY

STR-GX10ES A/V Receiver
Audio/video receiver with programmable Remote Commander. Features 150 W/ch continuous into 8 ohms, 20-20,000 Hz, with 0.007% THD; spontaneous twin drive power supply design; copper-plated G-Chassis design constructed with non-metallic compound; separate power supplies for system control and audio circuit stages; audio/video switching capability (3 video sources); video and tape dubbing capability; S-video terminals; defeatable subsonic filter; 3-band, low noise, high-gain negative feedback type tone controls; source direct switch; quartz frequency-synthesis tuning; wave optimized digital stereo decoder; 20 station presets. Tuner section: S/N 84 dB; THD .08%; sel 90 dB; sep (at 1,000 Hz) 60 dB $1,200

STR-GX9ES A/V Receiver
Audio/video receiver with programmable Remote Commander. Features 130 W/ch continuous into 8 ohms, 20-20,000 Hz, with 0.008% THD; spontaneous twin drive power supply design; G-Chassis design constructed with non-metallic compound; separated power supplies for system control and audio circuit stages; audio/video switching capability (3 video sources); video and tape dubbing capability; S-video terminals; defeatable subsonic filter; 3-band, low noise, high-gain negative feedback type tone controls; source direct switch; quartz frequency-synthesis tuning; wave optimized digital stereo decoder; 20 station presets. Tuner section: S/N 84 dB; THD .08%; sel 90 dB; sep (at 1,000 Hz) 60 dB. $1,000

STR-GX7ES A/V Receiver
Audio/Video receiver with programmable Remote Commander. Features 120 W/ch continuous into 8 ohms, 20-20,000 Hz, with 0.008% THD; spontaneous twin drive power supply design; G-chassis design constructed with non-metallic compound; separate power transformers for the system control and audio circuitry; audio/video switching capability (3 video sources); S-video terminals; low-noise, negative-feedback type tone controls; source direct switch; quartz frequency-synthesis tuning; 20 station presets. Tuner section: S/N 76 dB; THD .2%; sel 65 dB . $750

STR-AV1000 A/V Receiver
Audio/video receiver with programmable Remote Commander. Features 120 W/ch into 8 ohms; surround-sound capability; 7-band electronic graphic equalizer; 7-band spectrum analyzer; motorized volume control; music index; EQ Link memorizes equalizer settings for radio stations; video inputs and outputs; direct comparator tuner; dual power supplies; 20 station presets. Amp: FR 5-80,000 Hz, +0, −1 dB with .008% THD. Tuner: S/N 76 dB; THD .2%; sens 11.2 dBf/2 μv $700

STR-GX6ES A/V Receiver
Audio/Video receiver with programmable Remote Commander. Features 100 W/ch continuous into 8 ohms, 20-20,000 Hz, with 0.03% THD; spontaneous twin drive power supply design; G-chassis design constructed with non-metallic compound; separate power transformers for the system control and audio circuitry; audio/video switching capability (2 video sources); low-noise, negative-feedback type tone controls; source direct switch; quartz frequency-synthesis tuning; 20 station presets. Tuner section: S/N 76 dB; THD .2%; sel 65 dB; sep (at 1,000 Hz) 50 dB$600

STR-AV900 A/V Receiver
Audio/video receiver with full-function remote control. Features 100 W/ch into 8 ohms; surround-sound capability; 7-band electronic graphic equalizer; 7-band spectrum analyzer; motorized volume control; music index; video inputs and outputs; direct comparator tuner; dual power supplies; 20 station presets. Amp: FR 5-80,000 Hz, with .008% THD. Tuner: S/N 76 dB; THD .2% $480

STR-GX5ES A/V Receiver
Audio/Video receiver with programmable Remote Commander. Features 80 W/ch continuous into 8 ohms, 20-20,000 Hz, with 0.08% THD; spontaneous twin drive power supply design; G-chassis design constructed with non-metallic compound; separate power transformers for the system control and audio circuitry; audio/video switching capability (1 video source); low-noise, negative-feedback type tone controls; source direct switch; quartz frequency-synthesis tuning; 20 station presets. Tuner section: S/N 76 dB; THD .2%; sel 65 dB; sep (at 1,000 Hz) 50 dB$470

STR-AV700 A/V Receiver
Audio/video receiver with full-function remote control. Features 70 W/ch into 8 ohms; surround-sound capability; 5-band electronic graphic equalizer; motorized volume control; music index; video inputs and outputs; direct comparator tuner; dual power supplies; 20 station presets. Amp: FR 10-70,000 Hz, +0,−1 dB with .08% THD $400

STR-AV500 A/V Receiver
Audio/video receiver with full-function remote control. Features 55 W/ch into 8 ohms; surround-sound capability; 5-band electronic graphic equalizer; 20

Now that the picture on our
big screen televisions is
just about perfect, we decided to
work on something else.



SOI



Our 35" direct-view monitor/receiver has our exclusive Diamond Vision® II picture tube and a wide band video amplifier capable of 560 lines of resolution, compared to the normal 340 lines.

The Home Theater System speakers have a 12" cast frame woofer, 5" midrange and a titanium dome tweeter. And individual controls let you vary the midrange and tweeter levels.

It's not the easiest thing being perfectionists.

Just when you've developed a 35-inch television that's every bit as clear and sharp as conventional size sets, you see something else that could stand some improvement.

Or, in this case, you hear it.

Introducing Mitsubishi Home Theater Systems. Our new series of integrated components that does for sound what we've always done for sight: Make it larger than life.

Now, along with a panoramic picture, our Home Theater components can give your favorite movies, sporting events and programs the kind of fidelity a television alone could never produce.

Thanks largely to our new M-AV1 audio/video receiver. Not only does it produce a wall-shaking 125 watts of power,* but it comes equipped with the

N.D.



Our new M-AV1 audio/video receiver delivers 125 W/Ch., with 25 W/Ch. rear Dolby Surround.™ The connectors are gold plated, and all functions are displayed on screen in an easy-to-read menu.*

Our M-C5100 CD player features 8-times oversampling and 18-bit digital analog converters. And our M-T5100 dual cassette deck comes with both Dolby® B and C.

With horizontal resolution greater than 400 lines, our S-VHS/Hi-Fi VCR can generate an image that's 67% sharper than ordinary VCR's.



same kind of Dolby Surround™ sound you hear in theaters.

On-screen displays give you simple instructions for switching from the VCR to the CD player to the cassette deck and so on. And a single illuminated remote lets you control everything from the comfort of your own recliner.

For a demonstration, minus the recliner, visit an authorized Mitsubishi Home Theater Systems dealer.

One remote controls everything in this ad.

And see with your own ears how great it sounds.

*For the name of your authorized Mitsubishi Home Theater Systems dealer, call (800) 556-1234 ext. 145. In California, (800) 441-2345 ext. 145. Cabinet colors and finishes may vary. Dolby and Dolby Surround are trademarks of Dolby Laboratories Licensing Corp. Diamond Vision II is a registered trademark of Mitsubishi Electric Corporation. *125 watts/channel, min. RMS, both channels driven into 8 OHMS from 20Hz - 20kHz with no more than 0.05% THD.* *© 1988 Mitsubishi Electric Sales America, Inc.*

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station presets. Amp: FR 10-70,000 Hz, +0, −1 dB with .3% THD. Tuner: S/N 70 dB; THD .2%; sens 11.2 dBf/2 μv $340

STR-AV300 A/V Receiver
Audio/video receiver with full-function remote control. Features 40 W/ch into 8 ohms; surround-sound capability; 3-band electronic graphic equalizer; motorized volume control; video inputs and outputs; direct comparator tuner; dual power supplies; 20 presets. Amp: FR 10-50,000 Hz, +0, −1 dB with .8% THD. Tuner: S/N 70 dB; THD .2%; sens 11.2 dBf/2 μv $270

STR-AV200 A/V Receiver
Audio/video receiver with full-function remote control. Features 40 W/ch into 8 ohms; motorized volume control; video input and output; direct comparator tuner. Amp: FR 10-50,000 Hz, +0, −1 dB with .8% THD. Tuner: S/N 70 dB; THD .2%; sens 11.2 dBf/2 μv $210

TANDBERG

TPR 3080 Programmable Receiver
Remote-controllable FM receiver with zero-feedback design and remote control. Features high current power amplifier; digital tuner with 26 presets; separate program and record source selectors. Inputs for MM and MC phono, CD, DAT, video, and tape. 80 W/ch. Rosewood side panels..... $2,500

TEAC

AG-55 Receiver
55 W/ch AM/FM receiver with LED power meters. 7-band graphic EQ; CD, AYXand TV/VCR inputs; high cut filter and bass boost EQ switch; dual speaker terminals; Quartz synthesized PLL tuner; 8 AM/FM random access station memory; auto station search; LED frequency display. FR 20-30,000 Hz; THD 0.5%; FM-usable sens. mono 11.2 dBf; image rejection 45 dB; 4.5 x 17.13 x 11.44-in; 16.43 lb $300
AG-35. Similar to above with 35 W/ch and without graphic EQ..... $200

TECHNICS

SA-R530 100-W/ch A/V Receiver
A/V receiver with 96-key intelligent remote control and digital Dolby surround-sound processor. Features 7-band electronic graphic equalizer with 5 factory preset curves and 5 user assignable curve memories; quartz digital tuner; 24 preset channel memory and Station File preset organization system; 7-band FL spectrum analyzer; motor-driven volume control; rear-mounted thermally triggered fan; 3 A/V inputs; 6 audio inputs; video output for monitor; full-function FL display; 6 digital A/V surround modes including Dolby and stereoplex simulated stereo; auto-simulcast tuning. 100 W/ch, both channels driven into 8 ohms, with <0.007% THD from 20-20,000 Hz..... $695

SA-R430 100-W/ch A/V Receiver
A/V receiver with 44-key intelligent remote control and matrix surround-sound processor. Features 7-band electronic graphic equalizer with 5 factory preset curves and 5 user assignable curve memories; quartz digital tuner; 24 preset channel memory and Station File preset organization system; 7-band FL spectrum analyzer; motor-driven volume control; 2 A/V inputs; 4 audio inputs; full-function FL display. 100 W/ch, both channels driven into 8 ohms, from <0.007% THD from 20-20,000 Hz $520

SA-R330 70-W/ch A/V Receiver
Audio/video receiver with 42-key intelligent remote control. Features 7-band electronic graphic equalizer; quartz-locked digital tuner; 24 preset channel memory and Station File preset organization system; 7-band spectrum analyzer with fluorescent display; motor-driven volume control; 2 A/V inputs; 4 audio inputs; video output for monitor; full-function FL display. 70 W/ch, both channels driven into 8 ohms, with <0.008% THD from 20-20,000 Hz $355

SA-R230 50-W/ch A/V Receiver
A/V receiver with 32-key intelligent remote control. Features 5-band electronic graphic equalizer; quartz digital tuner; 24 preset channel memory and Station File preset organization system; motor-driven volume control; 2 A/V inputs; 4 audio inputs; video output for monitor; full-function FL display. 50 W/ch, both channels driven into 8 ohms, with <0.09% THD from 20-20,000 Hz $290

SA-160 40-W/ch AM/FM Receiver
Receiver rated at 40 W/ch, both channels driven into 8 ohms, from 20-20,000 Hz with < 0.5% THD. Features 5-band graphic equalizer with LED tips; quartz digital tuner with FL alphanumeric display; 24 preset channel memory and Station File preset organization system; 5 audio inputs..... $225

SA-180 35-W/ch AM/FM Receiver
Features quartz digital tuning section; 16 station presets; auto scan; 3-LED signal-strength display; drives main and remote speakers; loudness; headphone jack; electronic protection. Inputs for tape deck, CD player, turntable. 35 W/ch; FM sens 11.2 dBf; FM sel 65 dB..... $210

VECTOR RESEARCH

VRX-9200R Audio/Video Receiver
120-W/ch A/V receiver with full-function remote control. Features motorized rotary volume control; built-in Dolby Surround; 4 x 40-W pre-out/main-in jacks; 8 discrete output transistors; video signal routing; A/V processing loop; video monitor output; dedictated CD input; quartz-synthesis tuning; 20 station presets; preset scan; mono/stereo switch; A/B RF antenna inputs; FM autoscan; 2 tape monitors with dubbing in either direction; 2 A/V monitors with dubbing; MC head amp; high and subsonic filters; parallel speaker switching; surround level, front/rear balance $750

VRX-8200R Audio/Video Receiver
110-W/ch A/V receiver with full-function remote control. Features motorized rotary volume control; built-in matrix surround; pre-out/main-in jacks; 8 discrete output transistors; video signal routing; A/V processing loop; video monitor output; dedictated CD input; quartz-synthesis tuning; 20 station presets; preset scan; mono/stereo switch; A/B RF antenna inputs; FM autoscan; 2 tape monitors with dubbing in either direction; MC head amp; high and subsonic filters; parallel speaker switching $600

VRX-6200 Audio/Video Receiver
65-W/ch A/V receiver with full-function remote control. Features motorized rotary volume control; built-in matrix surround; pre-out/main-in jacks; video signal routing; A/V processing loop; video monitor output; dedictated CD input; quartz-synthesis tuning; 16 station presets; mono/stereo switch; RF antenna inputs; FM autoscan; 2 tape monitors with dubbing; loudness contour; parallel speaker switching..... $450

VRX-5200R A/V Receiver
50 W/ch A/V receiver with discrete output stage. Features 20 random AM/FM presets; dedicated CD inputs; A/V processing loop; 2 switched/unswitched outlets; spearate FM mute and mono; video monitor out; quartz-synthesized tuning; rotary volume control with LED; pre-out main-in jack; video signal routing; 75 ohm connector; AM/FM autoscan. Amp: THD 0.07%; IMD 0.07%; FR 10-50,000 Hz. Tuner: S/N 70 dB; THD 0.35%; FR 50-15,000 Hz; sep 42 dB. 17 x 4.5 x 13.5 in; 17 lb..... $370

VRX-3600R A/V Receiver
40 W/ch A/V receiver with discrete output stage. Features 20 random AM/FM presets; dedicated CD inputs; A/V processing loop; 2 switched/unswitched outlets; spearate FM mute and mono; video monitor out; quartz-synthesized tuning; rotary volume control with LED; pre-out main-in jack; video signal routing; 75 ohm connector; AM/FM autoscan. Amp: THD 0.08%; IMD 0.08%; FR 10-50,000 Hz. Tuner: S/N 68 dB; THD 0.4%; FR 50-15,000 Hz; sep 42 dB. 17 x 4.5 x 13.5 in; 15 lb..... $320

VRX-2700 A/V Receiver
30 W/ch A/V receiver with discrete output stage. Features 20 random AM/FM presets; dedicated CD inputs; A/V processing loop; 2 switched/unswitched outlets; spearate FM mute and mono; video monitor out; quartz-synthesized tuning; rotary volume control with LED; pre-out main-in jack; video signal routing; 75 ohm connector; AM/FM autoscan. Amp: THD 0.09%; IMD 0.09%; FR 10-50,000 Hz. Tuner: S/N 68 dB; THD 0.5%; FR 50-15,000 Hz; sep 40 dB. 17 x 4.5 x 13.5 in; 13 lb..... $199

VR-2300 Receiver
25-W/ch receiver features A/B speaker switching; analog flywheel tuning; loudness contour; headphone jack; tape monitor. Inputs for CD and MM phono $150

YAMAHA

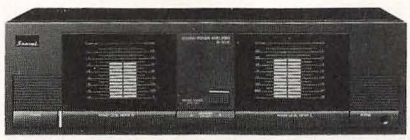
RX-1100U Audio/Video Receiver
AM/FM receiver with integrated system remote control. Features digital tuner; absolute linear amplification; high dynamic power; low-impedance drive capability; 16-station random access preset tuning; digital fine tuning; continuously variable loudness control; dual tape monitor inputs; pre-main coupling terminals; 3 video source inputs; video and audio record out selectors; video enhancer with level and detail control; switching for three pairs of speakers; LED indicator on volume knob. 125 W/ch min rms into 8 ohms from 20-20,000 Hz with less than 0.015% THD. Black finish; 30 lb..... $999

RX-900U Audio/Video Receiver
AM/FM receiver with integrated system remote control. Features digital tuner; absolute linear amplification; high dynamic power; low-impedance drive capability; 16-station random access preset tuning; digital fine tuning; continuously variable loudness control; pre-main coupling terminals; 3 video source inputs; video and audio record out selectors; video enhancer with level and detail control; switching for two pairs of speakers. 85 W/ch min rms into 8 ohms from 20-20,000 Hz with less than 0.015% THD. Black finish; 29 lb..... $799

RX-700U Audio/Video Receiver
AM/FM receiver with integrated system remote control. Features digital tuner; low-impedance drive capability; 16-station random access preset tuning; two video source inputs; video and audio record out selectors; video enhancer with level control; 65 W/ch min rms; THD less than 0.015%; black finish. 17 lb..... $599

RX-500U AM/FM Receiver
AM/FM receiver with wireless remote control. Features digital tuner; high dynamic power; low-impedance drive capability; continuously variable loudness control; switching for two pairs of speakers. 50 W/ch minimum rms into 8 ohms from 20-20,000 Hz with less than 0.015% total harmonic distortion. Black finish; 15 pounds..... $399

RX-300U AM/FM Receiver
Features digital tuner; high dynamic power; low-impedance drive capability; 16-station random access preset tuning; 10-segment signal-strength meter; tape monitor selector; dynamic bass extension control; continuously variable loudness control. 37 W/ch min rms into 8 ohms from 20-20,000 Hz with less than 0.015% THD. Black finish; 15 lb..... $299



ACCUPHASE BY MADRIGAL

P-600 Stereo Power Amplifier
7 parallel push-pull output stage with MOSFET pre-driver incorporating push-pull circuitry in all stages; digital peak power display; bridge connection switch; 1-dB-per-step input-level control. Drives 2-ohm speaker with guaranteed output of 700 W/ch. 300 W/ch into 8 ohms; 1,000 W into 8 ohms bridged; damping factor 300 IHF 50 Hz; S/N <125 dB IHF-A; rated input 2 V; 18.94 x 9.19 x 18.75 in.... $7,000

M-1000 Power Amplifier
Two separate power units with push-pull drive in bridged connection, each power unit employs 14 parallel push-pull pairs of wide-band transistors; low imp drive of 1,600 W into 1 ohm, 1,100 W into 2 ohms; cascode push-pull and MOSFET drive stage; digital power meter; 40-kilohm balanced input; 20 kilohm unbalanced phono jack; mounting provisions for cooling fans; distortion of 0.05% at 1-4 ohms, 0.01% at 4-16 ohms; 18.94 x 9.41 x 19.25 in; 121.4 lb..... $9,500

P-500 Stereo Power Amplifier
Basic amp with power meters; bridge conection allows 1,000 W mono into 4 ohms, 500 W/ch into 2 ohms. 250 W/ch into 8 ohms; 19 x 8.6 x 17.5 in; 73.7 lb..... $6,000

P-300V 180-W/ch Power Amplifier
With power meters. 180 W/ch into 8 ohms; bridgeable for 500 W into 8 ohms, 300 W into 2 ohms; 17.5 x 6.4 x 14.7 in; 50.6 lb..... $4,250

ACOUSTIC RESEARCH

AR P-10 Power Amplifier
Power amp with massive transient (IHF dynamic) power capibility of 1,200 W/ch in 2 ohms, 800 W into 4 ohms, and 400 into 8 ohms. 150 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.3% THD 200 W into 4 ohms; 200-ms dynamic power 300 W; dynamic headroom 4.3 dB; S/N 95 dB; slew rate 30 V/μs; IMD 0.03%. 4.33 x 17 x 14.5-ind..... $849

ADCOM

GFA-555 Power Amplifier
High-current amp able to drive 1-ohm loads with no current limiting and low feedback. Bridgeable for mono operation. 200 W/ch into 8 ohms; 350 W/ch into 4 ohms with <0.09% THD and <0.05% IMD; constant damping factor >100 20-20,000 Hz . $750
GFA-555W. As above with white front panel . $800
GFA-555S. With silver front panel..... $800
RM-7. Optional rack-mount adaptors for GFA-555..... $20/pr
RM-7W. As RM-7 in white..... $25/pr
RM-7S. As RM-7 in silver $25/pr

GFA-545 Power Amplifier
High-current amp able to drive low-imp, including 1-ohm loads. Features low-negative-feedback design; constant damping factor; toroidal transformer; no current limiting except for fuses; instantaneous distortion alert when distortion products higher than 1% at speaker outputs; direct-coupled design. 100 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.09% THD, 150 W/ch into 4 ohms; IMD 0.008%. 5.5 x 17 x 12.5-in; 25 lbs $500
GFA-545W. As above with white front panel . $550
GFA-545S. With silver front panel..... $550
RM-5. Optional rack-mount adaptors for GFA-545..... $20/pr
RM-5W. Optional rack-mount adaptors for GFA-545 in white $25/pr
RM-5S. As above in silver $25/pr

GFA-535 Power Amplifier
High-current amp able to drive low-imp loads. Features low-negative-feedback design; constant damping factor; hookup for 2 sets of speakers; instantaneous distortion alert when distortion products higher than 1% at speaker outputs; direct-coupled design; separate power transformers for each ch. 60 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.09% THD, 100 W/ch into 4 ohms; IMD 0.008%. 3.25 x 17 x 12.5-in . $300
GFA-535W. As above with white front panel . $350
GFA-535S. With silver front panel..... $350
RM-3. Optional rack-mount adaptors for GFA-545..... $20/pr
RM-3W. As RM-3 in white..... $25/pr
RM-3S. As RM-3 in silver $25/pr

a/d/s/

PA4 High-Current 150-W/ch Power Amp
Designed for wide bandwidth and high current; all discrete transistors; polypropylene capacitors; metal-film resistors; 10 bipolor output devices per ch; open-loop bandwidth of <100 MHz to avoid rate limiting and stability with complex speaker loads; toroidal transformers for low noise and high current; drives 2 pairs of speakers; power and speakers switched from a/d/s/ CC4 control center or R4 receiver; bridgeable; clipping LED's. 150 W/ch into 4 or 8 ohms; 250 W into 1 ch. 2.8 x 17.5 x 14.8-in; 27 lb..... $1,200

AUDIO DESIGN ASSOCIATES

PBA-500 Subwoofer Amplifier
Continuously variable level, frequency and bandwidth controls. 20 segment LED output meter; toroidal power transformer; fan cooled; front panel switch and fuse; 800 W bridged mono from 20-200 Hz with no more than 0.05% THD into 8 ohms; 1200 W into 4 ohms; slew rate 10 V/μsec; IMD 0.08%; 19 x 7.5 x 12.5 in; 49 lb..... $4,295

PF-300 Power Amplifier
MOSFET power amplifier capable of driving ½-ohm loads continuously. Front panel power switches, indicators and fuses; dual mono design with independent toroidal transformers; fan cooled; 200 W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; 300 W into 4 ohms; slew rate 10 V/μsec; IMD 0.08%; 48 lb; 19 x 7 x 15.5 in..... $1,695

PT-200 Power Amplifier
Dual-mono power amp capable of driving 1 ohm loads. Features 44-segment triangular LED output meters with peak indication; front panel power switches, indicators, fuses; stepped attenuator gain controls; soft clipping circuit; dual toroidal power transformers; fan cooled; standard EIA rack-mountable. 60 continuous average W/ch from 20-20,000 Hz with no more than 0.06% THD into 8 ohms; 110 watts into 4 ohms; S/N 102 dB; slew rate 12 V/μsec; IMD 0.15%. 28 lb; 19 x 3.5 x 16.88 in..... $1,995

PF-300 Power Amplifier
MOSFET power amplifier capable of driving ½-ohm loads continuously. Front panel power swtches, indicators and fuses; dual mono design with independent toroidal transformers; 100 W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms; 160 W/ch into 4 ohms; slew rate 15 V/μsec; IMD 0.07%; 37 lb; 19 x 5.25 x 15.5 in $1,695

PBA-150 Subwoofer Amplifier
Subwoofer amp with continuously variable adjustable level, frequency and bandwidth controls. Features 20-segment LED output meter. Front panel power switch, indicator, fuse; fan cooled; standard EIA rack-mountable. 100 continuous average W/ch from 20-200 Hz with no more than 0.06% THD into 8 ohms; 125 watts into 4 ohms; S/N 101 dB; slew rate 10 V/μsec; IMD 0.07%. 20 lb; 19 x 5.25 x 12.5 in $1,495

PF-200 Power Amplifier
MOSFET power amp capable of driving 1-ohm loads. Features 4-segment LED output meters; front panel power switch; indicator and fuse; toroidal power transformer; fan cooled; standard EIA rack-mountable. 60 continuous average W/ch from 20-20,000 Hz with no more than 0.07% THD into 8 ohms; 110 watts into 4 ohms; S/N 95 dB; slew rate 10 V/μsec; IMD 0.07%. 25 lb; 19 x 5.25 x 15.5 in..... $1,295

PT-50 Power Amplifier
Compact power amp capable of handling 2 ohm loads. Features 10-segment LED output meters; rear panel power fuse; front panel gain controls; toroidal power transformer; fan cooled; standard EIA rack-mountable. 25 continuous average W/ch from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; 40 watts into 4 ohms; S/N 104 dB; IMD 0.04%. 8 lb; 19 x 1.75 x 11.5 in..... $895

AUDIO DYNAMICS

B200 Power Amplifier
Configurable 2-/3-/4-channel power amplifier with individual left/rear, left/front, right/rear, and right/front volume controls. Features speaker on/off switch; oversized power display with front/rear display switches; direct input; power output into 2 channels; 260 W/ch into 8 ohms; power output into 4 channels: 90 W/ch into 8 ohms, 120 W/ch into 4 ohms..... $699

AUDIO RESEARCH

D250 240-W/ch Vacuum-Tube Power Amplifier
High-definition power amp with controlled turn-on, warm-up for maximum power-tube life. Features patented cross-coupled circuit. 240 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20,000 Hz ± 1 dB; S/N90 dB; IMD 0.1%; 10.5 x 19 x 21-in..... $6,990

M300 Mono 300-W Power Amplifier
Hybrid design with field-effect transistors (for front end) and vacuum tubes (in output stage); cross-coupled circuit; front-panel replaceable line and screen voltage fuses with LED indicators; 2 integral low-noise cooling fans (switchable for "Hi" or "Lo");

standby switch for warmup or interruptions; auto muting for silent shutdown; gold-plated inputs connect ground before hot; output taps for 1, 2, 4, or 8 ohms; front and rear handles. 300 minimum continuous W from 16-25,000 Hz with <0.051% THD into 8 ohms; power at clipping 330 W; FR 10-60,000 Hz -3 dB; S/N 90 dB; slew rate 25 V/μsec; 10.5 x 19 x 16-in; 110-lb net $4,995

D125 Power Amplifier
Stereo hybrid power amp rated at 120 W into 4-8-16 ohms. Input stage FET based; output stage with 2 "quad" banks of 6550 power output tubes; self monitoring circuits; tube-saver circuit; internal fan cooling; automatic muting at shutdown; 8.75 x 19 x 16.5 in; 84 lb..... $4,450

D115 100-W/ch Vacuum-Tube Power Amplifier
High-Definition power amp with controlled turn-on, warm-up for maximum power-tube life. Features patented cross-coupled circuit; front-panel fusing for line and screen. 100 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20,000 Hz ±1 dB; S/N 90 dB; slew rate 15 V/μsec; IMD 0.1%; input imp sens 1.1 V for rated output; input imp 75 kohms nominal; noise <90 dB below rated power, broadband-unweighted. 7 x 19 x 16.5-in; 80-lb shipping weight..... $2,995

M100 100-W/ch Mono Tube Power Amplifier
Basic power amp with auto servo DC balance, front-panel bias adjustment and indication. 100 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 2-60,000 Hz +0/-3 dB; S/N 90 dB; dynamic headroom <1 dB; slew rate 15 V/μsec; IMD 0.2%; input sens 0.7 V rms for 100 W. 7 x 19 x 18.3-in; 53 lb $2,495

D70 60-W/ch Vacuum-Tube Power Amplifier
High-Definition vacuum-tube power amp with continuous turn-on, warm-up for maximum power-tube life. Features patented cross-coupled circuit; front panel fusing for line and screen. 60 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 20-20,000 Hz ±1 dB; S/N 90 dB; slew rate 12 V/μsec; IMD 0.1%; input sens 0.95 V for rated output; input imp 75 kohms nominal; noise 90 dB below rated power, broadband-unweighted; 7 x 19 x 14.5-in; 63-lb shipping weight..... $1,995

D120 120-W/ch Solid-State Power Amplifier
High-Definition solid-state stereo power amp with Analog Module technology, unique linear output circuit. Stable under any load condition. Features internal bridging switch for mono operation; power supply fuse on front panel; fuse-failure LED indicator. Output power 120 W/ch into 8 ohms, 10-20,000 Hz at <0.25% THD; FR 1.2-75,000 Hz ±1 dB; power bandwidth 0.6-100,000 Hz -3 dB; input sens/imp 1.5 V rms/60k ohms; harmonic distortion <0.004% at 1,000 Hz, 1 W; IMD <0.035% at rated power; slew rate 40 V/μsec; rise time 2 μsec; damping factor 300, 10-20,000 Hz; power consumption 1,000 W max; 5.25 x 19 x 10.5-in; 50-lb shipping weight .. $1,995

AUDIO BY VAN ALSTINE

Tanscendence Fet-Valve Power Amplifier
Hybrid power amplifier utilizing a combination of vacuum tubes for voltage gain and MOSFET's for current gain. Features >200 W/ch into 8 ohms at less than 0.01% THD; no output transformers; low imp drive capability. 17 x 14.5 x 7.5 in; 38 lb... $1,995

Mos-Fet 280D Power Amplifier
160-W/ch into 8 ohms power amplifier. Features 0.01% THD; low impedance drive capability. 17 x 10 x 5 in; 28 lb $775

Mos-Fet 240D Power Amplifier
Full-complementary power MOSFET amplifier. Features precision metal resistors; precision film capacitors; high-voltage, high-current semiconductors; 120 W/ch into 8 ohms with less than 0.01% THD. 13 x 14 x 7 in; 27 lb $550

BEDINI AMPLIFIERS

BA-803 Class A Amplifier
Solid state class A amplifier with 200 W/rms into 8 ohms and 400 W/rms into 4 ohms. Dynamic headroom 3 dB; THD<.15% 8 ohms rated power, 20-20,000 Hz; IMD<1%; damping factor 500 min; S/N-105 dB; Slew rate 55 V/μsec; 7.5 x 19 x 18.35; 50 lb..... $1,995
BA-802. Same as above with 150 W/rms 8 ohm; 300 W/rms 4 ohm..... $1,495
BA-801. Similar to above with 70 W/rms 8 ohms; 140 W/rms 4 ohm..... $995

BELLES RESEARCH

BELLES 450 Stereo Power Amplifier
Solid-state power amplifier with dual complementary bi-polar transistor circuitry and power MOSFET. All components are mounted on a single circuit board. Features van den Hul cable wiring; high-quality capacitors and resistors; torodial power transformer. 200 continuous W/ch from 20-20,000 Hz with no more than .01% THD into 8 ohms; 55 lb; 10 x 17 x 13 in $1,495

BELLES 150 Stereo Power Amplifier
Solid-state power amp with dual complementary bi-polar transistor circuitry, and power MOSFET's.All



components are mounted on a single circuit board. Features van den Hul silver mono-crystal wiring; high-quality capacitors and resistors; toroidal power transformer. 75 continuous W/ch from 20-20,000 Hz with no more than .09% THD and IMD into 8 ohms; damping factor >175; 22 lb; 7 x 17 x 8.5 in .. $595

THE DAVID BERNING COMPANY

EA-2100 Tube Power Amplifier
All-triode stereo vacuum-tube power amp with low coloration. Features high-frequency power-conversion system for fully regulated power supply; low power consumption; 10 to 20 year tube life. 100 continuous average W/ch from 20-20,000 Hz with no more than 2% total distortion into 8 ohms; FR 7-70,000 Hz ±1.5 dB; S/N 100 dB; dynamic headroom 2 dB; slew rate 15 V/μsec; input imp 100,000 ohms; output imp 4, 8, 16 ohms; negative feedback 8 dB; sens 1 V for 170 W out; clipping level (soft clipping) 170 W; 5.25 x 19 x 19-in; 40 lb..... $2,695

B&K COMPONENTS

PRO-600 250-Watt Power Amplifier
High-powered amp with fan-cooled driver stage. 250 continuous average W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms, 400 W into 4 ohms; FR 5-45,000 Hz ±3 dB; S/N 95 dB; dynamic headroom 0.1 dB; slew rate 15 V/μsec; IMD 0.09%; bridgeable to 800 W. 6 x 19 x 15-in; 40 lb .. $1,298

Sonata Series 200 Mono Amplifier
Mono amp with 200 W into 8 ohms and 350 W into 4 ohms. FR 1-100,000 Hz; THD.09 at 1,000 Hz; min load imp .75 ohms; class AB;DCcoupled circuitry; optional balanced inputs $898

EX-442 Dual-Mono Power Amplifier
Dual-mono power amp with gold-plated input and output connectors. 200 continuous average W/ch; FR 5-45,000 Hz ±3 dB; S/N 95 dB; dynamic headroom 0.5 dB; slew rate 15 V/μsec; IMD 0.09%; 300 W into 4 ohms; 42-ampere peak-to-peak current capability. 6 x 19 x 15-in; 35 lb..... $895

ST-202 PLUS Power Amplifier
Power amp designed to deliver high-wattage to speakers. 200 continuous average W/ch from 20-20,000 with no more than 0.9% THD into 8 ohms; dynamic headroom 1.8 dB; S/N 95 dB; slew rate 11 V/μsec; IMD 0.09%. 6 x 19 x 15-in; 30 lb $698

ST-202 150-Watt Power Amplifier
Power amp with gold-plated connectors for driving 8- and 4-ohm loads. 150 continuous W/ch from 20-20,000 Hz with no more than 0.9% THD into 8 ohms; FR 5-45,000 Hz ±3 dB; S/N 90 dB; dynamic headroom 1.5 dB; slew rate 11 V/μsec; IMD 0.09%; 200 W into 4 ohms. 6 x 19 x 15-in; 25 lb..... $648

ST-140 Class A Power Amplifier
Power amp with Class A design up to output stage. 105 contiuous average W/ch from 20-20,000 Hz with no more than 0.09% THD into 8 ohms, 100 W into 4 ohms; FR 5-45,000 Hz ±3 dB; S/N 90 dB; dynamic headroom 1.4 dB; slew rate 11 V/μsec; IMD 0.09%. 6 x 19 x 14-in; 25 lb..... $498

BOULDER AMPLIFIERS

Boulder 500 150-W/ch Power Amp
28 metal 250-W transistors for total of 7,000 W; convection cooling; LED meter at −40, −20, −6 dB; clip LED indicators for + and − voltage or current; gold-plated connectors (3-pin input D3F, RCA phono, 5-way output); conductive-plastic level controls; recessed panel controls; toroidal power transformer; screw-on feet; complete protection circuitry with visual indicators for short circuit, DC input offset, and thermal abuse; rear-panel switch-selectable input modes and multiple connectors. Optional plug-in Jensen input transformers. 150 W/ch into 8 ohms, 250 W/ch into 4 ohms, 500 mono into 8 ohms; peak power for 10 ms 150 W stereo into 8 ohms, 300 W stereo into 4 ohms, 600 W mono into 8 ohms; slew rate full Vp-p closed loop 35 V/μs stereo; peak current for 10 ms >50 amperes; sep 95 dB at <1,000 Hz, 80 dB at 10,000 Hz. 17.25 x 7 x 15.5 in; 51 lb . $3,295
International version for 100/120/220/240 V AC, 50/60 Hz..... $3,595

Speaker Cables
For use with Boulder power amps only. Also available with gold spade connectors on one or both ends.
CS06. 6 ft, stacking banana both ends, coax $85/pr
CS12. 12 ft, stacking banana both ends, coaxial $121/pr
CS25. 25 ft, stacking banana both ends, coaxial $199/pr
NS01. Terminator pair for use at speaker $39

BRYSTON

6B 500-W/ch Power Amplifier
Mono power amp with high voltage and current. Max 120+ amperes instantaneously into 1 ohm; 1,000 W into 4 ohms with average current of 22 amperes; 1,000 W into 1 ohm with 35 amperes average; ground lift switch. 500 continuous W/ch from 20-20,000 Hz with no more than 0.005% THD into 8 ohms; S/N 105 dB; slew rate >60 V/μsec; IMD 0.005%; 55 lbs; 5.75 x 19 x 12-in..... $1,800

4B 250-W/ch Power Amplifier
Fully complementary class-AB power amp with bridging switch, 1,500-sq-in. heat-sink area; regulated power supplies to all voltage gain stages; ch sep back to line cord; red LED clipping indicator. Output power 200 W/ch, 800 W bridged into 8 ohms, 20-20,000 Hz at 0.01% THD; IMD 0.01%, 10 mW-200 W; noise -100 dB; slew rate 60 V/μsec; power bandwidth 1-100,000 Hz; damping factor 500 at 20 Hz, 8 ohms; input

sens/imp 1.25 V/50k ohms; 5.25 x 19 x 13.5-in$1,595
3B. Similar to 4B except 100 W/ch, 400 W bridged; input sens/imp 1 V/50k ohms; 500-sq-in. heat-sink area; 9" D $995
2B. Similar to 3B except 50 W/ch, 200 W bridged; input sens/imp 0.75 V/50k ohms; 250-sq-in. heat-sink area; 3.5 x 19 x 10-in $575

4-Way Switch Box
No active components; designed for high-current applications. For Bryston equipment only.... $199

CAMBRIDGE AUDIO

A250 Mono Power Amplifier
Seperate power amplifier with power-on switch only. Rated at 250 watts per channel into 8 ohms and has a peak current capability of 45 amps.S/N>100DB. THD 0.5% $1,800/pr

A75 Power Amplifier
Separate power amp with power-on switch only. FR 5-50,000 Hz <1 dB; S/N >100 dB; THD 0.5% .. $798

A50 Power Amplifier
Separate power amplifier with power-on switch only. 60 W/ch into 8 ohms. Peak current capability of 35 amps. Can be connected for bridge mono operation by rear panel switch, giving 150 W into 8 ohms (clipping at 200 W). S/N>100DB, THD>0.5% . $579

CARVER

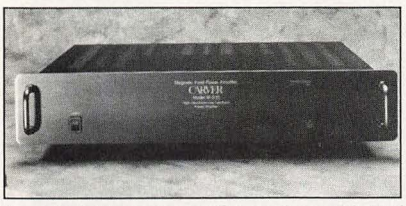
M 4.0t 375-W/ch Power Amplifier
Magnetic Field stereo power amp with LED dual peak-responding power displays, infrasonic and ultrasonic filters. 375 W/ch into 8 ohms; dynamic headroom/ch 500 W at 4 and 8 ohms; 16 lb $799

M-500t 250-W/ch Power Amplifier
Stereo power amp with Magnetic Field circuitry in slim cabinet; peak-responding power meters; cool operation; anodized brushed aluminum in dark pewter finish. 250 W/ch into 8 ohms; slew rate 40 V/μsec $650

M1.0t 200-W/ch Power Amplifier
Magnetic Field amplifier with high headroom and dual peak-responding power LED's. Features electronic protection; sonic transfer modification. 200 W/ch into 8 ohms; dynamic headroom 3 dB; slew rate 200 V/μs. 19 x 3.5 x 10.5 in; 20 lb $610

M400t 200-W/ch Power Amplifier
Stereo power amp with Magnetic Field circuitry that eliminates oversize heat sinks. Features dual vertical LED peak-level display; dark pewter finish. 200 W/ch into 8 ohms; slew rate 40 V/μsec; 6.75 x 6.75 x 6.75 in $560

M-0.5t 140-W/ch Power Amplfier



Magnetic field power amplifier produces 140 W/ch into 8 ohms; peak responding LED; electronic protection circuitry. 19 x 3.5 x 0.5 in; 20 lb $549

M200t 120-W/ch Power Amplifier
Magnetic Field power amp produces 120 W/ch into 8 ohms. Dark pewter finish; LED's indicate power and use of speaker-protection circuitry. 17.3 x 9 x 2.55 in; 10.25 lb $450

Z-1 Wide-Band Z Coupler
Imp-matching device enables Carver Magnetic Field power amp to be used with receiver or integrated amp. Receiver or integrated amp outputs drive power amp through Z-1 coupler, which presents an optimum noninductive load to the amp in the receiver or integrated amp $49

CELLO

7000-00 Performance Amplifier Set
2 mono amps (left and right) and 2 mono supplies (left and right) for stereo; power output section has 40 output devices per ch $13,125

CLASSE AUDIO

DR-3-VHC Power Amplifier
Power Amplifier features THD 0.01%; sens 800 mV; 45 W/ch into 8 ohms; bandwidth 20-20,000 Hz; Class pure A output; dynamic headroom 0.1 dB; bridgeable; 300 W/4 ohms; 102 lb. $4,250

DR-9 Power Amplifier
Power amplifier features balanced inputs/outputs; THD 0.01%; sens 1000 mV; 100 W/ch into 8 ohms; bandwidth 20-20,000 Hz; Class AB output; dynamic headroom 6 dB; imp 1 ohm; bridgeable; 800 W/4 ohms; 64 lb. $3,495

DR-3B Power Amplifier
Power amplifier features THD 0.01%; sens 800 mV; 25 W/ch into 8 ohms; bandwidth 20-20,000 Hz; Class Pure A output; dynamic headroom 7 dB; imp 0.1 ohms; bridgeable; 200 W/4 ohms; 72 lb.... $2,995

CONRAD-JOHNSON

Premier One B Vacuum-Tube Power Amp
Low-noise precision parts in audio circuitry; LED bias indicators. Output power 150 W/ch into 4, 8, or 16 ohms; S/N 90 dB $5,750

Premier Five Vacuum-Tube Mono Power Amp
Low-imp power supplies and extensive use of polystyrene capacitors; LED bias indicators. 200 W into 8 ohms; S/N 94 dB; 9 x 19 x 20.5-in.; 90 lb ... $3,750
MV100. Similar to above except stereo and 90 W $2,950
MV50. Similar to Premier Five except stereo, 45 W/ch into 8 ohms; S/N 94 dB; 40 lbs $1,685

COUNTERPOINT

SA-4 Power Amplifier
Power amp with 130 continuous average W/ch from 20-20,000 Hz with no more than 0.2% THD into 8 ohms; S/N 92 dB; dynamic headroom 2 dB; IMD 0.65%; 6.7 x 19 x 19-in; 60 ..... $5,495

SA 20/20 Power Amplifier
Mono hybrid power amp with tube front end and MOSFET output stage. Features no overall loop feedback; warm-up and shut-off auto speaker muting. Includes vacuum-tube rectification. 600 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.5% THD, 988 W into 4 ohms, 1,500 W into 1 ohm; 20-ms peak amperage into 0.1 ohm 50 amperes; S/N 84 dB; slew rate 0.6 V/μ; IMD 0.02%. 6.7 x 19 x 19-in; 55 lb ea $4,190/pr

SA 20 Power Amplifier
Hybrid power amp with tube front end and MOSFET output stage. Features no overall loop feedback; warm-up and shut-off auto speaker muting; internal switching to operate as a bridged mono amp for 3x power. Includes vacuum-tube rectification. 220 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.5% THD, 420 W into 4 ohms, 1,000 W into 1 ohm; 20-ms peak amperage into 0.1 ohm 50 amperes; S/N 84 dB; slew rate 0.6 V/μ; IMD 0.02%. 6.7 x 19 x 19-in; 55 ..... $2,095

SA-12 Power Amplifier
Hybrid power amp with tube front end and MOSFET output stage. Features no overall loop feedback; warm-up and shut-off automatic speaker muting. 85 continuous average W/ch from 20-20,000 Hz with no more than 1% THD into 8 ohms; FR 5-100,000 Hz ±0.2 dB; S/N 92 dB; dynamic headroom 2 dB; channel-to-ch sep >85 dB from 100-10,000 Hz; 4.5 x 19 x 12.5-in. $1,045

CROWN

Macro-Tech 1200 295-W/ch Power Amplifier
295 W/ch into 8 ohms; 555 W/ch into 16 ohms or 790 W/ch into 8 ohms mono; four second turn-on; pushbutton power switch; mono/stereo switch; LED power indicator; steel chassis; FR 20-20,000 Hz ±0.1 dB SPL/W/m; THD <0.05%; IMD <0.05%; slew rate >13 volts/μsec; damping factor >1,000; draws 60 watts or less on idle. 19.0 x 3.5 x 16.0 in;n 44.62 lb $1,449

PS-400 165-W/ch Power Amplifier
165 W/ch into 8 ohms; 360 W/ch into 16 ohms or 520 W/ch into 8 ohms mono; four second turn-on with minimum thumps; pushbutton power switch; independent input-level controls; mono/stereo slide switch; 2 LED signal-presence indicators; all-aluminum chassis; FR 20-20,000 Hz ±0.1 dB SPL/W/m; THD <0.001% from 20-400 Hz; IMD <0.05%; slew rate 16 volts/μsec; draws 40 watts or less when idle. 19.0 x 7.0 x 10.13 in; 55 lb $1,259

Macro-Tech 600 215-W/ch Power Amplfier
215 W/ch into 8 ohms; 395 W/ch into 16 ohms or 510 W/ch into 8 ohms mono; four second turn-on; pushbutton power switch; mono/stereo switch; LED power indicator; steel chassis; FR 20-20,000 Hz ±0.1 dB
when idle. 19.0 x 3.5 x 16.0 in; 39.56 lb.... $1,199

Micro-Tech 1200 295-W/ch Power Amplifier
295 W/ch into 8 ohms; 555 W/ch into 16 ohms or 790 W/ch into 8 ohms mono; power rocker switch; mono/stereo switch; LED power indicator; steel chassis; FR 20-20,000 Hz ±0.1 dB SPL/W/m; THD <0.05%; IMD <0.05%; slew rate >13 volts/μsec; damping factor >1,000; draws 60 watts or less when idle. 19.0 x 3.5 x 16.0 in; 40.56 lb..... $1,199

DC-300A II 165-W/ch Power Amplifier
165 W/ch into 8 ohms; 340 watts into 16 ohms or 545 watts into 8 ohms mono; instantaneous turn-on with minimum thump and no program delay; independent input level controls; power switch with pilot light; mono-stereo switch; LED indicators; all-aluminum chassis; FR 0-20,000 Hz ±0.1 dB SPL/W/m; THD <0.001% from 20-400 Hz; IMD <0.05%; slew rate 8 volts/μsec; draws 40 watts or less when idle; 19.0 x 7.0 x 9.75 in; 45 lb $1,049

Micro-Tech 600 215-W/ch Power Amplifier
215 W/ch into 8 ohms; 395 W/ch into 16 ohms or 510 W/ch into 8 ohms mono; power rocker switch; mono/stereo switch; LED power indicator; steel chassis; FR 20-20,000 Hz ±0.1 dB SPL/W/m; THD <0.05%; IMD <0.05%; slew rate >13 volts/μsec; damping factor >1,000; draws 60 watts or less on idle. 19.0 x 3.5 x 16.0 in; 37 lb $949

PS-200 95-W/ch Power Amplifier
95 W/ch into 8 ohms; 190 watts into 16 ohms or 280 watts into 8 ohm mono; four second turn-on with minimum thumps; pushbutton power switch; input-level controls; mono/stereo slide switch; 2 LED signal presence indicators; all-aluminum chassis; FR 20-20,000 Hz ±0.1 dB SPL/W/m; THD <0.01% from 20-400 Hz; IMD <0.05%; slew rate 16 volts/μsec; draws 30 watts or less when idle. 19.0 x 5.25 x 10.13 in; 25 lb $819

PSA-2 265-W/ch Power Amplifier
265 W/ch into 8 ohms; 520 W/ch into 16 ohms or 760 W/ch into 8 ohms mono; four second/instantaneous turn-on; aluminum chassis; mono/stereo slide

"It is so clearly superior to past amplifiers in the low- to mid-priced range—not to mention most amplifiers two to three times its price—that I can unhesitatingly recommend it for even the most demanding high end system."

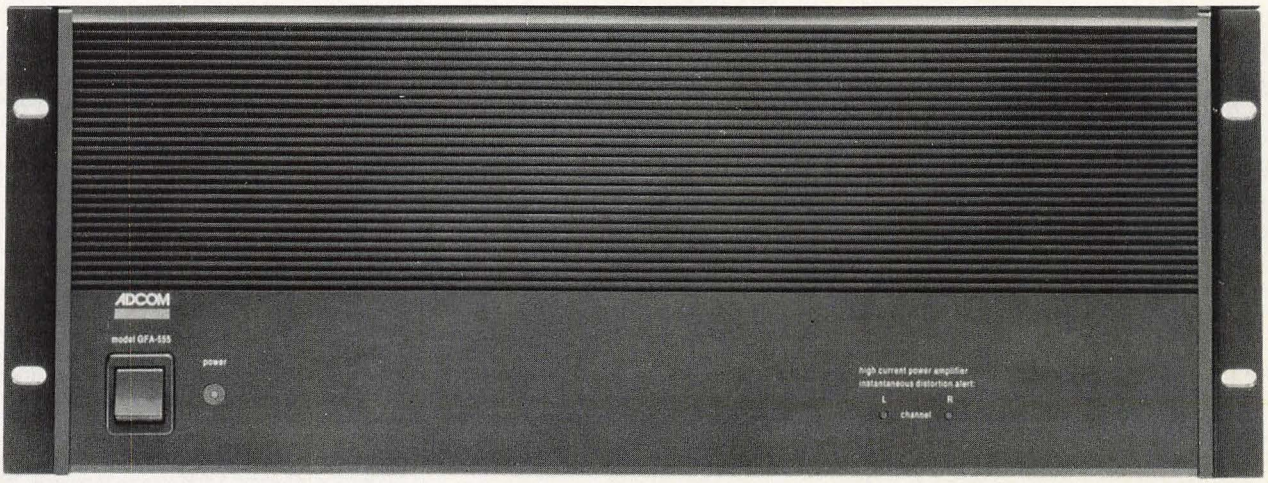
Anthony Cordesman

stereophile

volume 8, no. 4

ADCOM GFA-555

High Power, High Current.



The complete review:

A BEST-BUY BREAKTHROUGH OR THE START OF A NEW WAVE?

I am reluctant to call any given transistor power amp a "best buy" or breakthrough. From my talks with designers and other audiophiles, it is clear that the state of the art in power amplifiers is about to change. From where I stand, the Adcom GFA-555 is the first sample of this new wave. It is so clearly superior to past amplifiers in the low- to mid-priced range—not to mention most amplifiers two to three times its price—that I can unhesitatingly recommend it for even the most demanding high end system.

The GFA-555 does everything well, and most things exceptionally well. It provides superb, well-controlled bass with far better speaker load tolerance than most amps. Its midrange and treble are remarkably low in coloration. There is no hint of hardness, and none of the loss of inner detail common to transistor amplifiers.

"The Adcom's soundstage is sufficiently superior that even those who claim all power amplifiers sound alike might hear the difference."

With the exception of the Krells, I have never heard a more detailed, natural, and extended upper four octaves in a transistor amp. The Adcom may even be a legitimate rival to the Krell; it's brighter and more dynamic, and somewhat more open. And, like the Krell, it gives the impression, on really good material, that the amplifier simply isn't there, on really good material. Nor is the Adcom romantic or sweet, like New York Audio's new Moscodes. Rather, it offers natural upper octave detail that the latter miss. Other amplifiers have similar upper octave performance, but I unhesitatingly recommend the Adcom over the very stiff competition from Tandberg and Threshold.

The Adcoms' soundstage is sufficiently superior that even those who claim all power amplifiers sound alike might hear the difference. It comes very close to the better tube power amplifiers in providing detailed, stable, realistic imaging with natural depth. It is not an Audio Research D-250, but is extraordinarily holographic—I suspect almost embarrassingly so. This kind of soundstage has previously cost at least $2000.

I am also highly impressed with this amplifier's dynamics. Once again, it is not going to survive a one-on-one with the Audio Research D-250 or Conrad Johnson Premier Fives, but it rivals any transistor power amplifier in its power class that I have heard—including high-powered receivers or amps with trick power supplies—at any price. It provides these dynamics into virtually any load without bloat, restriction of sound, or change in timbre. For all the nonsense published by most manufacturers about driving complex loads, this amplifier actually delivers.

The Adcom does not lose sweetness and detail as its power goes up. I am normally leery of transistor amplifiers rated much above 100 watts; they too often blur detail and harmonic information, and this sonic price tag is far more costly than the added power is worth. This does not happen with the Adcom unless the distortion lights are blinking, and they only blink when the amp is delivering well over its rated 200 watts per channel (8 ohms) or 325 watts (4 ohms). By comparison, once-outstanding high power amplifiers like the Hafler DH-500 now sound annoyingly veiled.

With a minor dealer modification, you can even drive 1 ohm loads like the Scintilla. I can't measure whether the Adcom delivers its rated 800 watts per channel into 2 ohms, or 20 amps peak, but I *can* tell you that it does a superb job of driving this superb speaker. Anything in its price range (or even close) generally changes timbre and degenerates when driving the Scintilla at 1 ohm.

"For all the nonsense published by most manufacturers about driving complex loads, this amplifier actually delivers."

I'm going to have to say a few words about its technology before I give Adcom a swelled head. You'll be happy to note that the manufacturer claims for the GFA-555 a simple gain path, a 700 watt toroidal transformer, a well- regulated high current power supply, new ultra-stable bias circuitry, direct coupling, no current limiting, and no output inductor. More substantively, its harmonic shape mixes suitable yinyang while avoiding the curse of pyramidology. This, of course, means that it weighs 34 pounds, has simple rack-mount black styling, pilot lights, warning lights (to indicate distortion levels above 1%), and measures exactly 7 5/16" by 12 1/4" by 19".

More pragmatically, the technical specifications are significant in that they represent reasonable bandwidth (4-150,000 Hz), damping (150-200), gain (27 dB), and noise (-106 dB). Of these, only the noise specification is outstanding. No attempt is made to beat distortion records: .09% THD at rated power into 8 ohms, and .25% into 4. I have heard so many power amplifiers with infinitely (well, an order of magnitude) better specifications sound so much worse; this may be the amplifier whose sound could convince *Stereo Review*, *High Fidelity*, etc. that their present measurements are virtually worthless.

I suspect that the Adcom is going to force many designers in the $1000-1500 range to either make radical improvements in their products over the next six months, or look at the possibility of retiring from competition. This is a "must" amplifier to audition before you spring for anything close in price. If the Adcom is simply the first of a whole wave of good amplifiers, it will help revitalize the high end for the average audiophile, and force most manufacturers into more reasonable pricing. Now, Adcom, if you can only come up with a preamp as good! **AHC**

"I suspect that the Adcom is going to force many designers in the $1000-1500 range to either make radical improvements in their products... or look at the possibility of retiring from competition."

ADCOM®
fine stereo components

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Pointe Claire, Quebec H9R 4X5

Manufacturer's note: Approximate retail prices listed in order of mention in review:

Adcom GFA-555	$ 750
Krell	2300-7500
N.Y. Audio Moscode	900-1600
Tandberg	1000-2000
Threshold	1490-3150
Audio Research D-250 (MK II)	6000
Conrad Johnson Premier 5 (pair)	6000
"high powered receivers"	?
"amps with trick power supplies"	?
Hafler DH-500	850

CIRCLE NO. 61 ON READER SERVICE CARD

switch; FR 20-20,000 Hz ±0.1 dB SPL/W/m; THD <0.002%; IMD 0.01%; slew rate >30 volts/μsec; dumping factor >700; draws 90 watts or less when idle. 19.0 x 7.0 x 14.75 in $819

D-75 35-W/ch Power Amplifier
35 W/ch into 8 ohms; 95 watts into 8 ohms mono; <110 dB hum and noise in the range 20-20,000 Hz; instantaneous turn-on with minimum thump and no program delay; two input-level controls; power switch; mono/stereo switch; 2 signal-presence indicators; 1 power indicator; ground link; FR 20-20,000 Hz at 1 watt into 8 ohms (stereo); IMD <0.05%; slew rate 6 volts/μsec; ±15 watts power consumption when idle. 19.0 x 9.0 x 1.75 in; 10 lb $524

DB SYSTEMS

DB-6A Power Amplifier
Stereo power amp able to drive 1-ohm loads. Features 12-dB/octave infrasonic filter; peak-clipping LED's; electronic clamp. Output power 40 W/ch continuous into 8 ohms from 20-20,000 Hz at 0.003% THD; THD 0.0008% at 1,000 Hz; IMD <0.002%; FR 20-40,000 Hz +0/−1 dB; input sens/imp 1 V/50 kilohms; S/N 112 dB at 1 V A-wtd; slew rate 15 V/μs; damping factor >400, 20-1,000 Hz. 4.9 x 16 x 12.8 in $795
DB-6A-M. Similar to DB-6A except bridged mono amp at 140 W continuous with 0.008% THD; slew rate 30V/μsec $795
19″ Rack adaptor $55
Mono conversion of DB-6A to DB-6A-M $39
DB-6A-M(2). Similar to DB-6A-M except pair of mono amplifiers $1,550

dbx

BX1 Power Amplifier
Configurable 2-/3-/4-channel power amplifier with 3 sets of fuses and complementary circuitry throughout. Features high-quality film capacitors; 8 x 250-W high-speed bipolar devices/ch; 2 x 3,200 VA toroidal transformers with 2 taps each; separate rectifiers for each ch; ±55-V power-supply rails. Contains no fans or limiting circuitry. Quietly shuts down under thermal stress. Power output into 2 channels: 400 W/ch into 8 ohms, 650 W/ch into 4 ohms, 800 W/ch into 2 ohms, 1,400 W/ch into 1 ohm. Power output into 4 channels: 100 W/ch into 8 ohms, 200 W/ch into 4 ohms, 325 W/ch into 2 ohms, 400 W/ch in 1 ohm; slew rate 200 V/μS $3,700

DENON

POA-2400 Stereo Power Amplifier
Features Denon Optical Class A design, and Twin Pure Current Supply. 200 W/ch into 8 ohms with no more than 0.01THD. High speed protection circuits; bar-line multi display. IMD <0.002%; FR 1-300,000 Hz +0, -3 dB at 1; S/N 123 dB; self diagnostic function; 7.36 x 17.08 x 16.88; 38.5 lb $750

POA-6600 Mono Power Amplifier
Mono power amp with Dual Super Non-NFB circuit for high-speed signal transmission. Features pure current power supply; separate power supply block chassis; Cannon type balance input connector; conventional RCA input jack with selector switch; front-panel level control; extra large speaker terminals; peak indicators; high-speed reset-type protection circuit; remote power on/off switching from DAP-5500 or PRA-1100 preamps. 250 W min rms into 8 ohms from 20-20,000 Hz with no more than 0.02% THD; dynamic power 800 W at 1 ohm; IMD 0.002%; S/N 123 dB; slew rate ±500 V/μsec $750
POA-4400 Mono Power Amplifier. As above with 150 W $750

DENNESEN ELECTROSTATICS

Antares II Power Amplifier
75 W/ch MOSFET power amp; no more than 0.1% THD into 8 ohms; FR 10-100,000 Hz ±1 dB; S/N 90 dB; dynamic headroom 3 dB; slew rate 30 V/μsec; IMD 0.1%; 5.25 x 19 x 8-in; 30 lb $595
Orion. Similar to above except with 150 watts/mono $1,500

DISCRETE TECHNOLOGY

Distech Dual-Mono Power Amplifier
Solid-state power amplifier. Features matched front-end transistor pairs; darlington pair; cascode voltage section; high-grade polypropylene capacitors; platinum interconnect on input. FR 3-100,000 Hz +0/−3 dB; damping factor at 50 Hz 200; 200 W ... $2,600

Distech LSII Power Amplifier
Power amp with MOSFET output and Distech AC power cable. 100 continuous average W/ch from 20-20,000 Hz into 8 ohms with less than 0.95% THD, 200 W into 4 ohms; 200-ms dynamic power 200 W; dynamic headroom 3.2 dB; S/N 90 dB below 10-watt output; slew rate 40 V/ms IMD <0.09%. 16 x 5 x 14 in; 25 lb $950

ELECTROCOMPANIET BY MUSIC AND SOUND IMPORTS

Ampliwire Power Amps
All Electrocompaniet power amps are Class AB, DC servo controlled, and feature thermal shutoff safety filter in output stage for undistorted use with any type of speaker.
250. Inverts phase. 250 W/ch into 8 ohms; 480 W/ch into 4 ohms; FR 0-100,000 Hz; THD 0.003%. 45 lb. Approx $3,995
100. Does not invert phase. 100 W/ch into 8 ohms; 180 W/ch into 4 ohms; FR 0-100,000 Hz; THD 0.003%. 40 lb. Approx $2,195
65. Does not invert phase. 75 W/ch into 8 ohms; 135 W/ch into 4 ohms; FR 0-100,000 Hz; THD 0.004%. 32 lb. Approx $1,495

FORTE AUDIO

Model 1a Power Amplifier
Dual-channel, non-inverting power amp using FET/bi-polar front-end topology and operating in pure class A throughout fron-end and power output stages. Input stage is direct coupled and biased with regulated constant-current sources. Output stage employs 20 high-speed power devices and uses no active protection circuits. Does not impose a fuse or isolation inductor at the output and maintains constant damping over the full frequency band. Gold-plated input and output connectors. Glass-epoxy circuit boards. Custom toroidal power transformer. Rated power 50 W/ch at 0.05% THD into 8 ohms; FR 20-20,000 Hz; bandwidth −3 dB points of 7 and 100,000 Hz; slew rate 40 V/msec; imp 75,000 ohms; 19 x 7 x 11 in; 36 lb $950

Model 3 Power Amplifier
Similar to model 1a except higher power with output stage operating in high-bias class AB. Rated power 200 W/ch at 0.05% THD into 8 ohms; FR 20-20,000 Hz; bandwidth −3 dB points of 7 and 100,000 Hz; slew rate 40 V/msec; imp 75,000 ohms; 19 x 7 x 11 in; 36 lb $990

FOSGATE-AUDIONICS

M-100 Power Amplifier
Mono amp designed for surround applications. Features 60 W/ch into 8 ohms; 100 W/ch into 4 ohms; moderate feedback; silent turn-on/-off; input level control; FR 15-40,000 hz ±1 dB; THD <0.03%; IMD <0.03% $269
S-100. As above, stereo $429
T-100. Tri-channel version of M-100 ..... $599

M-60 Power Amplifier
Mono amp designed for use in A/V system. Can be used for center front channel applications. 2 can be used for stereo compact complementary/symmetry output stage. Low TIM and TID. Includes gain adjust and clipping indicator. 45 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.1% THD, 60 W into 4 ohms; 200-ms dynamic power 65 W; dynamic headroom 1.5 dB; S/N 95 dB; slew rate 15 V/μs; IMD 0.1%. 6.56 x 3.56 x 6.56 in; 5 lb . $179

HAFLER

XL-600 MOSFET Power Amplifier
Excelinear near-zero-phase shift circuit with J-FET double differential push-pull cascoded 'tube-like' input and current-mirroring 2nd stage. 16 MOSFET outputs; direct coupled; stable into all loads; high capacitance (72,000 mfd); Excelinear speaker tweaking adjustment; gold inputs and outputs; mono bridging switch; variable speed DC fan cooling. 305 W/ch into 8 ohms with <0.05% THD, 20-20,000 Hz; <0.04% IMD from 1-305 W; 450 W/ch into 4 ohms; 900 W mono into 8 ohms; input sens 2.4 volts for 305 W @ 8 ohms; FR 10-50,000 Hz ±0.1 dB; S/N >100 dB @ 305 W; 7 x 19 x 13 in; 50 lb $1,195

DH-500 Power Amplifier
Stereo power amp designed to deliver >255 W/ch with <0.025% distortion into 8 ohms; >400 W into 4 ohms (can be bridged, using optional bridging kit, to deliver >800 W into 8 ohms). Employs MOSFET's on compact enclosed multispeed fan-cooled heat sink. Fuses and relay protect speakers against turn-on thumps or DC shifts; self-protective capability of the MOSFET's eliminates need for amp protection. Factory assembled $900
Kit. $775

XL-280 MOSFET Power Amplifier
J-FET double differential input and 12 MOSFET output. Excelinear speaker tweaking adjustment; gold inputs; mono bridging switch; speaker protection fuses. 145 W/ch into 8 ohms; <0.05% THD, 20-20,000 Hz; <0.04% IMD; S/N >100 dB; FR 10-50,000 Hz ±0.1 dB; 200 W/ch into 4 ohms; 400 W into mono. 5.25 x 17 x 10.5 in; 27 lb; assembled .. $650
Kit $575

DH 120 Power Amplifier
Stereo power amp stable with L and R level controls, stereo/mono switch, AUX speaker outputs which feed a matrix signal for ambience effects. 62 continuous average W/ch from 20-20,000 Hz with no more than 0.006% THD into 8 ohms; FR 10-40,000 Hz ±0.5 dB; S/N >100 dB; damping factor 219 to 1,000 Hz; sep 85 dB at 1,000 Hz; input imp 22k; slew rate 30 V/μsec; 15.75 x 3.25 x 9 in; 18 lb; assembled $425
Kit. $375

HARMAN KARDON

Citation Twenty-Two 200-W/ch Power Amp
Selectable high-current and high-voltage output; dual-voltage design; dual power transformers; gold-plated input jacks and speaker terminals; 8 130-W power transistors per ch; clipping indicators; LED power meters; anodized brushed aluminum blue/black finish with rubber trim. 200 W/ch into 8 ohms, 400 W bridged into mono; current capability ±120 amps; neg feedback 12 dB $1,099
Twenty-Four. Similar to above except 100 W/ch; current capability ±60 amps; 4 130-W power transistors per ch; damping factor 75 into 8 ohms ... $699

HEYBROOK BY D'ASCANIO AUDIO

P-2 Power Amplifier
Hand-assembled power amp with toroidal transformer capable of 30-amp output. Features circuits designed with close-tolerance, high-quality components. Thick aluminum chassis acts a heatsink over entire surface, equalizing temp within the case and maintaining a stable relationship between internal components. 80 continuous average W/ch from 20-

20,000 Hz into 8 ohms with no more than 0.05% THD, 120 W into 4 ohms; S/N 60 dB; IMD 0.05%; instantaneous peak current ±30 A. 17 x 4 x 12 in; 18 lb $1,298

HITACHI

HMA120AVSW Power Amplifier
Power display of 10 LED's per ch. 120 W/ch into 8 ohms; 200-ms power 120 W. 14.5 x 5 x 13 in; 17.7 lb $250

JADIS BY MADRIGAL

JA-200 160-W/ch Tube Power Amp
Pure Class A power amp with power capability and dynamic behavior to drive difficult loads with low distortion. 4 chassis (2 amps, 2 power supplies). 160 W/ch into 4 and 8 ohms. 210 lbs $17,500

JA-80 60-W/ch Tube Power Amp
Pure Class A; core of output transformer acts like solid core for high efficiency; 2 chassis. 60 W/ch into 4 and 8 ohms. 154 lbs $11,500

JA-30 30-W/ch Class-A Power Amp
Dual-mono (2 chassis); each transformer hand built for symmetry in resistance and self-inductance of coils; transformer encapsulated for optimal self-damping and thermal stability. 30 W/ch into 4 and 8 ohms. 97 lbs $5,750

JRM

Power Tower Power Amplifier
Basic integrated mono power amplifier features 2 dB dynamic headroom; power bandwidth 0.6-75,000 Hz; slew rate 100 V/μs; THD 0.02%; all-cascode design $2,500/pr

Power Tower/B Pro Power Amplifier
Basic integrated mono power amplifier features 1.5 dB dynamic headroom; power bandwidth 0.6-75,000 Hz; slew rate 100 V/μs; THD 0.02%; all-cascode design $3,100/pr

JVC

AXZ911BK Power Amplifier
Digital pure-A circuit for Class-A operation; Dynamic Super-A; D/A converter directly connected to amp; built-in D/A converter with quadruple-oversampling digital filter; 3 digital connections: one optical, one coaxial, and one input/output for DAT; separate layout for digital and analog circuits; high-gain phono equalizer for MM/MC cartridges; low-noise motor-driven volume control; bass response control; gold-plated terminals; multi-function display; wireless remote control. 100 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.003% THD . $1,100

KENWOOD

Basic M2A Stereo Power Amplifier
Features Super Dynamic Linear Drive (DLD) dual-output power amplifier; low-impedance drive capability; dynamic power (EIA) 616 W/ch into 2 ohms; wide range FL peak power meters with selectable peak-hold and two hold times; Sigma Drive Type B; full circuit protection with thermostat-controlled fan cooling; two speaker pair selection; gold-plated input terminals; headphone jack; power indicator; muting relay. 220 continuous average W/ch from 20-20,000 Hz with no more than 0.004% THD into 8 ohms; damping factor 1,000 at 50 Hz. 17.31 x 6.25 x 14.69 in; 34.1 lb $695

Basic M1D Stereo Power Amplifier
Features Voltage Interface Gate with Dynamic Linear Drive (VIG-DLD) amplifier; low-impedance drive capability; dynamic power (EIA) 210 W/ch into 2 ohms; FL peak power meters; full circuit protection; Sigma Drive type B; two speaker pair switching; headphone jack; muting relay. 125 continuous average W/ch from 20-20,000 Hz with no more than 0.005% THD into 8 ohms; damping factor 1,000 at 100 Hz. 17.31 x 5.69 x 13.31 in; 21.5 lb $445

KINERGETICS

KBA-202 Gold Series 200-W/ch Power Amp
Zero overall feedback (feedback in output stage only); fully cascoded J-FET input stage; mono construction; DC servo control to eliminate capacitors in signal path; 24 output transistors; power supply for front end of each ch; 4 toroidal transformers; 300-joule power supply; military-grade glass circuit boards with 2-sided ground plane and 20-oz copper traces; AB operation; does not invert phase; hysteresis-distortion cancelling circuit. 200 W/ch into 8 ohms, 400 into 4; headroom 3 db; input imp 50,000 ohms; slew rate 100 V/μsec; voltage gain 30 (absolute); power bandwidth 1-400,000 Hz; small-signal bandwidth 1-1,000,000 Hz; 59 lb; 19 x 6 x 19 in $1,995/pr

KBA-75 Gold Series 75-W/ch Power Amp
1-kVA power supply; dual-coil toroidal transformer; auto servo-controlled DC offset adjustment; constant current sources for Class A operation; high-power output transistors with wide linear region; no phase inversion; hysteresis-distortion cancelling circuit. 75 W/ch into 8 ohms, 150 into 4; headroom 3 db; input imp 50,000 ohms; slew rate 65 V/μsec; voltage gain 30 (absolute); power bandwidth 1-300,000 Hz; small-signal bandwidth 1-1,000,000 Hz; 45 lb; 19 x 6 x 16 in $1,295

SW-200 Stereo Amplifier
System includes 150 W/ch. Output 300 W; crossover 100 Hz; compusound circuits; 17.25 x 4.75 x 8 in $599
SW-200 Mono Amplifier. Same as above but output 150 W $399

KLYNE AUDIO ARTS

SKX 120 Power Amplifier
Dual-mono power amp with 120 W/ch driven into 8 ohms. Features solid state construction; balanced and unbalanced inputs; separate power supplies for each channel; high-current complementary bipolar outputs; class A/AB; FR 0.5-200,000 Hz. 17 x 4.75 x 18.5 in; 45 lb. Approx. $4,000

KYOCERA

B-910 150-W/ch Power Amplifier
Class AB power amp with triple push-pull high-frequency power stages; ceramic base/chassis; DC configuration; large-cutless-core power transformer; large honeycomb heatsinks; direct and subsonic inputs. 150 continuous average W/ch 20-20,000 Hz with no >0.02% THD into 8 ohms; FR DC-200,000 Hz ±3 dB at 1 W; S/N 120 dB; damping factor 150 (50 Hz); 200 W/ch into 4 ohms with 0.03% THD; power bandwidth 10-50,000 Hz; input sens 1.5 V (30 kilohm); 17 x 8.25 x 15.75 in; 59.5 lb $2,000

LAZARUS ELECTRONICS

200/200 Dual Hybrid Amplifier
200 W/ch hybrid amplifier. Features individual regulation for each voltage amplification stage; 1.2 V input sensitivity; Class A tube MOSFET hybrid circuitry $1,750

H-1 Hybrid Power Amplifier
Pure (not sliding scale) Class A tube MOSFET hybrid power amp may be operated as a fully differential mono amp or as a stereo amp. May be configured (by dealer) as either Class A or Class A/B. 50 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.2 THD, 100 W into 4 ohms; 200 ms dynamic power 600 W; dynamic headroom 3 dB, 8 ohms resistive; S/N 80 dB; IMD 0.2%; peak current 75 amperes. 19 x 3.5 x 16.5 in; 35 lb $1,599

LINN PRODUCTS

LK280 Stereo Power Amplifier
80 continuous average W/ch from 20-20,000 Hz; companion to LK1 preamp. 3 x 12.75 x 10.5-in; 19 lb $1,495

LINEAGE

PA-200 Stereo Power Amplifer
Features all-discrete audio circuitry; full-complementary direct-coupled filed-effect transistor design; complementary differential inputs; Class A operation in gain/driver stages; MOSFET output stages with Class AB1 operation; DC servo to eliminate all capacitors from audio stages; gold-plated input and output connectors; protection circuitry acting entirely outside of signal path; front-panel overload indicators. High-current ultra-stable design optimized for low distortion under rapidly changing speaker loads. Nominal rated power 100 W/ch into 8 ohms; 1-100,00 Hz bandwidth with no slew rate limiting. Matte silver with removable teak pedestal base. 17 x 12 x 6.36 (with base), 5.25 (without base) in $1,650

LUXMAN

M-117 Power Amplifier
Features 200 W/ch and low impedance drive capability; 3 pairs of large power devices; high energy power supply; 60,000 μF of total filtering capacitance; gold-plated binding post speaker terminals; gold-plated input terminals; variable and fixed inputs .. $1,100

McINTOSH

MC-2500 Stereo Power Amplifier
500 W/ch power amplifier with Power Guard circuit. Features patented McIntosh Sentry Monitoring circuit which constantly monitors the signal to the output transistors to protect them from damage; left and right channel gain control; speaker on/off switch; peak-reading, peak-locking power meters; meter range selector; headphone jack. Power output: 500 W/ch both channels driven from 20-20,000 Hz with less than 0.02% THD; IMD <0.02% if instantaneous peak power output is less than 1,000 W/ch both channels driven; FR 20-20,000 Hz +0/−0.25 dB, 10-100,000 Hz +0.25/−1 dB; damping factor >30; input imp 50,000 ohms; input sens switchable, 0.75 or 2.5 V (level control provided for higher input voltages). Power Guard: THD not to exceed 2% with up to 20 dB overdrive at 1 kHz. Power Requirements: 120 V 50/60 Hz 0.7 to 22 amps, 15 amps UL/CSA. Standard 19″ rack mounting; 129 lb $3,495

MC-7270 Stereo Power Amplifier
270 W/ch power amplifier with Power Guard circuit. Features McIntosh Autotransformer; left and right channel gain control; peak-reading, peak-locking power meters; meter selector. Power output: 270 W/ch both channels driven from 20-20,000 Hz with less than 0.02% THD; IMD <0.02% if instantaneous peak power output is less than 600 W/ch both channels driven; FR 20-20,000 Hz +0/−0.25 dB, 10-100,000 Hz +0/−2 dB; damping factor >30; input impedance 20,000 ohms; input sensitivity switchable, 0.75 or 2.5 V (level control provided for higher input voltages). Power Guard: THD not to exceed 2% with up to 20 dB overdrive at 1 kHz. Power Requirements: 120 V 50/60 Hz, 13 amps. 16.2 x 7.13 x 14.5 om; 82 lb $2,295

MC-2002 Stereo Power Amplifier
200 W/ch power amplifier with Power Guard circuit. Features McIntosh Sentry Monitor circuit; DC failure protection; power line surge protection; peak responding power meters. Power output: 200 W/ch into 8 ohms both channels driven from 20-20,000 Hz with less than 0.01% THD; IMD <0.02% at any power level below rated power both channels driven; FR 20-20,000 Hz +0/−0.25 dB, 10-100,000 Hz +0/−3.0 dB; damping factor >100; input impedance 20,000

ohms; input sens switchable, 1.4 or 2.5 V; IHF dynamic headroom 1.7 dB at 8 ohms. Power requirements: 120 V 50/60 Hz, 0.6-15 amps. 16.19 x 7.13 x 14.5; 50 lb $1,850

MELOS AUDIO

TM-90 ST Power Amplifier
Stereo power amp with toroidal power transformer, regulated power supplies using tubes and transistors. Wide bandwidth output transformers; triple triode driver tubes; LED indicators. 80 W/ch; total harmonic distortion no more than 0.5%; frequency response 8-45,000 Hz ±1.5 dB; S/N 85 dB; sens at rated power 1.5 V. 17.5 x 7.5 x 13.5 in $1,495

MARK LEVINSON BY MADRIGAL

No. 20 100-W/ch Mono Reference Amp
Class-A highly biased mono amp with fully regulated power to all audio stages; internal spike and surge suppression; RF filtering of raw AC from outlet to reduce noise; separated + and − supply rails each with their own toroidal power transformer, full-wave bridge rectification, and filter capacitors to prevent cross modulation between rails; electronic regulation to refine power used by signal-carrying circuits; 3 high-current devices to drive output stage; electronic protection against abuse; all gain stages controlled at clipping; balanced inputs with Camac connectors; Neutrik-XLR connector; internal switching to adjust for operation at 90-240 V AC. 100 watts per channel into 8 ohms, 200 W into 4 ohms. 17.5 x 8.25 x 22 inches; 90 pounds Faceplate also available in 19″ width $10,800/pr

No. 23 Dual-Mono 100-W/ch Power Amp
2 separate mono amps in single chassis; AC mains filtering; film capacitors; surge limiting; 2 power supplies for each L and R ch; oxygen-free copper bars supply output stage with +84-V DC rails; triple bypassing; output supply capacitance of 146,000 μfarads and 2-1.2 KVA transformers produce 240 joules of stored energy; full-wave bridge rectifier; independent tracking for + and − rails; only bipolor devices in gain stages; inverting input for full balanced connection; 50-kohm imp through audio bandwidth; output stage operates in class AB; controlled clipping; external line and internal fuses; thermal sensors. 100 W/ch into 8 ohms, 200 into 4, 350 into 2; gain 26 dB; damping factor >700 (50 Hz ref to 8 ohms); 83 lb; 17.5 x 8.5 x 15 in (18″ d with handles) $4,700

ML-11 Stereo Power Amplifier
All discrete circuitry; Class-A operation in voltage gain and driver stages; Class AB2 operation in output stage. Power supply of 320 VA toroidal power transformer, 2 12-ampere bridge rectifiers, 4 10,000 μF filter capacitors, for separate rectification and 20 joules of energy storage for each ch. Six 200 W, 15 ampere power transistors per ch enable ML-11, when pulsed, to develop 25 volts peak, at peak currents up to 12.5 amperes (312.5 W peak) per ch. Optional externally programmable voltage-limiting circuit reduces voltage output to protect speakers; gold-plated binding posts for output connections and Camac input connectors; hand-brushed black anodized faceplate. 8.62 x 19 x 12 in; 25 lb $2,100

MOTIF BY CONRAD JOHNSON

Motif MS100 100-W/ch Power Amp
With MOSFET output stage; extensive use of large-value polystyrene capacitors. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.1% total harmonic distortion into 8 ohms; frequency response 20-20,000 Hz ±0.10 dB; signal-to-noise ratio 100 dB; 7 x 19 x 18.5 in.; 45 lb $3,250
MS50. Similar to MS100 with 50 watts per channel output $2,350

NAD

2600 Monitor Series Power Amplifier
Monitor Series power amplifier with 150 W/ch. Features power envelope circuitry; +4 dB dynamic headroom; stereo/mono power amp; bridgeable; high voltage, high current capacity; speaker impedance selector; input level controls; close tracking Soft Clipping circuit; rack mountable $798

2200PE Power Amplifier
Stereo/mono power amp. Features high voltage, high current design; bridgeable; new soft clipping circuit; audible clipping indicator on front panel. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD into 8 ohms; FR 3-80,000 Hz +0, −3 dB; S/N >91; dynamic headroom +6 dB; slew rate >35 V/μsec. 16.5 x 4.8 x 14.5 in $628

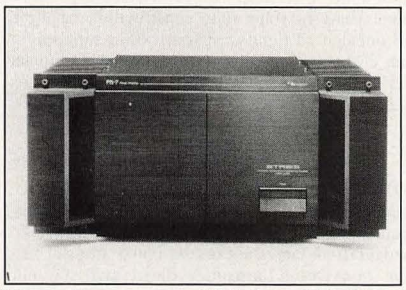
2400 Monitor Series Power Amplifier
100 W/ch; power envelope circuitry; 480 W IHF dynamic power; +6.2 dB dynamic headroom; input level controls; A,B, A & B speaker switching; Soft Clipping circuit; bridgeable; land and normal inputs; rack mountable $598

2100 Monitor Series Power Amplifier
50 W/ch; power envelope circuitry; 270 W IHF dynamic power; +6.6 dB dynamic headroom; input level controls; A,B,A & B speaker switching; Soft Clipping circuit; bridgeable; lab and normal inputs; rack mountable $398

2240PE Power Amplifier
40 W/ch; power envelope circuitry; +6 dB dynamic headroom; speaker imp selector; Soft Clipping circuit $328

NAKAMICHI

PA-7 Power Amplifier
Power amp utilizes Stasis topology. Features 700-W toroidal power transformer; 33,000 microFarad x 4 filter capacitors; dual rectifiers; 16 transistors per ch.



200 continuous average W/ch from 20-20,000 Hz with <0.1% THD into 8 ohms; FR 7-150,000 Hz +0, −3 dB; S/N >120 dB; dynamic headroom 1.7 dB; IMD <0.1%; output current capability 18 amps continuous (50 amps peak); dynamic output power 300 W/ch into 8 ohms; power bandwidth 5-50,000 Hz (8 ohms, 100 W, 0.1% THD); 17.12 x 7.88 x 16.56 in; 59 lbs, 8 oz $1,850
PA-5. Similar to above but 100 W/ch. 17.12 x 5.31 x 14.5 in; 35 lb, 4 oz $1,195

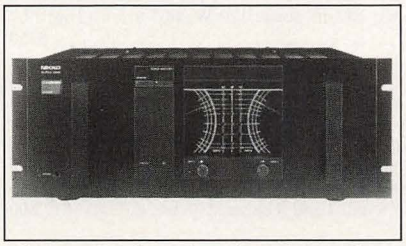
NEC

Renaissance Series

M-50 Monaural Power Amplifier
Single-channel power amp with 3 switch-selected inputs. Features variable-frequency low- and high-cut filters; vibration-free construction; large FL power meter; separate circuit construction; industrial-grade twin-crossbar relays with gold-plated contacts; sculptured brass terminals; heavy-duty speaker terminals. Rated power output 50 W into 8 ohms from 20-20,000 Hz with 0.004% THD, 100 W into 4 ohms with 0.006% THD; dynamic power 240 W into 2 ohms, direct input; FR 5-300,000 Hz; S/N >115 dB (direct input). 8.3 x 4.7 x 15 in; 18 lb $375

NIKKO AUDIO

Alpha 2000 Power Amplifier
Power amplifier with transistors mounted directly on pin-fin sink structure; protection circuitry guards



against stray DC, input short, dynamic power bursts, and thermal problems; back panel features AWG-24 output speaker termials,; gold plated input jacks; cannon connectors; BTL circuit to bridge mono operation; power bandwidth 5-40,000 Hz; FR 5-100,000 Hz +0/−0.5 dB; THD .002%; S/N 120 dB; channel sep 65 dB; sens 1000 mV; imp 47k ohms $1,800

Alpha 800 Power Amplifier
Power amplifier with transistors mounted directly on pin-fin sink structure; protection circuitry guards against stray DC, input short, dynamic power bursts adn thermal problems; back panel features AGW-24 output speaker terminals; gold plated input jacks; power bandwidth 5-80,000 Hz; FR 5-100,000 Hz +0/−2 dB; THD .003%; S/N 101 dB; sens 1000 mV; imp 47k ohms $1,300
Alpha 600 Power Amplifier. Similar to Alpha 800 but: FR 5-100,000 Hz +0/−1 dB; THD .002%; S/N 10 dB; sens 1000 mV; imp 50k ohms $760
Alpha 400 Power Amplifier. Similar to Alpha 600 but: S/N 115 dB; imp 47k ohm $550

ONIX BY MUSIC HALL

OA601
Power amplifier, 60 W/ch $1,595

OA401
Power amplifier, 40 W/ch $1,050

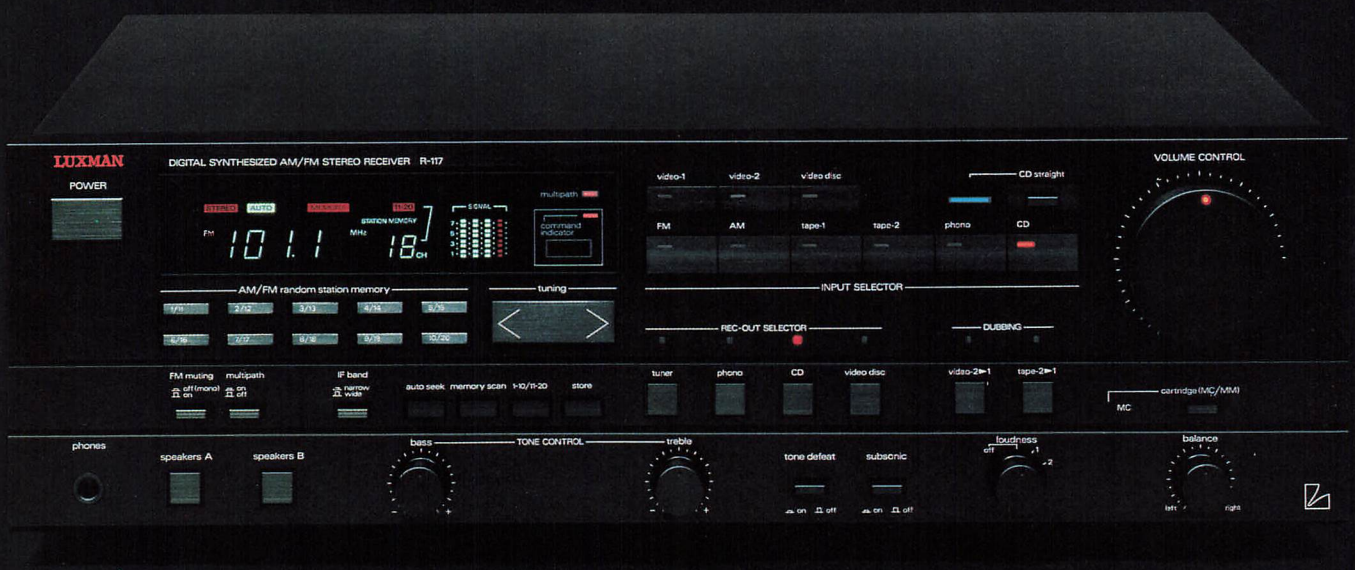
ONKYO

Grand Integra M-510 Power Amplifier
Dual-mono power amp with real-phase power supply. Features 3 separate power supplies (left, right, aux for lights, meters etc.); speaker-imp range down to 1 ohm; calibrated power meters accurate to 1 dB; A + B speaker systems; adjustable meter sens. 300 continuous average W/ch into 8 ohms from 20-20,000 Hz with no more than 0.005% THD; 500 W/ch into 4 ohms; 2-ms dynamic power 400 W into 8 ohms; S/N 120 dB; IMD 0.003%; dynamic power 750 W into 4 ohms, 1,300 W into 2 ohms $4,500

Grand Integra M-508 Power Amplifier
Dual-mono power amp with real-phase power supply. Features 4 x 2 high-current storage capacitor block; calibrated high-speed power meters; A + B speaker systems; low-imp drive capability; variable and direct inputs. 200 continuous average W/ch into 8 ohms from 20-20,000 Hz with no more than 0.003% THD; 200-ms dynamic power 265 W into 8 ohms; S/N 122 dB; IMD 0.002%; dynamic power 460 W into 4 ohms, 685 W into 2 ohms. $1,200

Integra M-504 Power Amplifier
Dual-mono power amp with real-phase power supply. Features peak-reading power meters; A + B speaker systems; low-imp drive capability; high-current output stage; heavy-duty 5-way banana-plug speaker connectors. 150 continuous average W/ch

Ultimate Power.



With a worldwide reputation for sonic excellence, the new Luxman Receivers also deliver more power than before. . .

LUXMAN

Ultimate



R-117 AM/FM Stereo Remote-Control Receiver.

For over 60 years, Luxman components have earned the highest accolades for their musical warmth and transparency. In the past, however, Luxman's receivers were designed to deliver optimum results with analog source material and conventional loud-speaker designs. Now, the increased popularity of the compact disc format has created a new demand for higher performance.

The digital era.

Compact discs have a dynamic range that far exceeds that of phonograph records and cassette tapes. This requires receivers with greater reserve power to smoothly handle the most intense volume levels.

In addition, the clarity and wider dynamics of CD's have encouraged speaker manufacturers to introduce new designs with improved sonic performance. However, several of these new speaker designs expose receivers to extremely low impedance loads that demand higher current output.

Plus, the CD's remarkable sonic realism has also ignited a whole new interest in listening to music that, in many households, has resulted in multiple speaker arrangements and multiple-room speaker installations. These combined loads pose additional threats to the stability and clarity of a receiver with insufficient reserve power.

The new Luxman receivers.

To ensure the sonic integrity of CD's into a variety of speaker loads, Luxman has incorporated massive power supplies with high energy reserves to ensure distortion-free transients. High-current, bipolar transistors are then carefully selected in matched pairs to preserve total sonic integrity at high dynamic levels.

This rugged design technique accommodates the highest demands of both digital software and low impedance loads. But high power is only half of the story. . .

Ultimate fidelity.

The heart of a Luxman receiver is still the warm, musical feeling that has resulted from decades of research on how vacuum tube amplifiers reproduce music so faithfully.

To achieve this same type of "tube-like" transparency and naturalness, Luxman receivers employ transistors in a voltage-driven amplification configuration that performs the main current conversion only at the output.

In addition, sophisticated circuit designs, including Duo-Beta circuitry, STAR circuit patterns and LED bias circuitry, are utilized to obtain that extra degree of musical purity that conventional receivers ignore.

Ultimate power.

The best of both worlds. It's the purity and musical warmth of the original source, *plus* high dynamic power output. This combination ensures total sonic integrity at all volume levels. In today's Luxman receivers, we call it "Ultimate Power".

Power.



R-115 AM/FM Stereo Remote-Control Receiver.



R-113 AM/FM Stereo Receiver.

"Ultimate Power" Receivers.

The R-117, rated at 160 watts per channel, is capable of supplying up to 600 watts of dynamic power into 4-ohm loads, and 700 dynamic watts into 2-ohms. The amplifier section is backed by a massive triple-shielded high-energy power transformer and fast recovery rectifier diodes to maintain high energy reserves under all load conditions.

Similarly, the R-115, rated at 70 watts, can provide up to 200 dynamic watts into 4 ohms, and 270 watts into 2ohm loads. And, with its heavy, double-shielded power transformer and high efficiency, it provides a full 3dB of dynamic headroom.

Both incorporate a new 5-gang varactor, dual-gate MOSFET FM front end, with automatic hi-blend circuitry, that ensures clean, distortion-free FM performance.

The R-113, the most affordable model in Luxman's new line of receivers, includes a high-speed dynamic amplifier that delivers up to 100 dynamic watts into a 2-ohm load. And a high-efficiency toroidal power transformer is coupled with high energy storage capacitors to provide the dynamics and steady-state reserves necessary for the most demanding musical transients.

All three receivers employ voltage amplification circuitry that ensures the "tube-like" musical warmth of traditional Luxman amplifiers. In addition, CD Straight circuitry routes the input signals past all signal processor and switching functions to provide optimum accuracy, imaging and impact when listening to compact discs.



Complementing this performance are an array of advanced features that lend versatility and precise control over a wide range of functions. Both the R-117 and R-115 even include a hand-held remote that can operate a complete system of components.

Technology Perfected, by Luxman

Features	R-113	R-115	R-117
20 AM/FM random access memories	X	X	X
Auto seek tuning	X	X	X
AM/FM memory scan	X	X	X
Cable-ready FM fine-tuning	X	X	X
FM muting	X	X	X
FM IF bandwidth switch		X	X
Multipath detection circuit & indicator			X
CD straight switch	X	X	X
Tone defeat switch		X	X
MC/MM cartridge switch			X
Tape monitor switch	X	X	
Record-out selector switch			X
Three-position loudness switch			X
Multi-function remote control		X	X
Unified remote DIN jacks		X	X
Unified remote serial output jack		X	X
Remote eye connection (DIN)		X	X
Signal processor jacks/switch	X	X	X
Pre-out jacks	1 pair	1 pair	2 pairs
Main-in jacks			1 pair
Speaker terminals accept single banana	3-way	3-way	3-way

LUXMAN

"Ultimate Power" Receivers.

Performance Specifications	R-113	R-115	R-117
Rated continuous power output, per channel, (8 ohms, 20Hz-20khz)	35W	70W	160W
Dynamic power output, per channel (1kHz, 20 ms):			
8 ohms	50W	140W	440W
4 ohms	84W	200W	600W
2 ohms	100W	270W	700W
Dynamic headroom, 8 ohms	1.5 dB	3 dB	4.4 dB
Total harmonic distortion (20Hz-20kHz, rated power)	0.08%	0.03%	0.03%
IM distortion (SMPTE)	0.08%	0.03%	0.03%
Damping factor (50Hz, 8 ohm load)	40	50	80
Input sensitivity/impedance:			
Phono (MC)	N/A	N/A	0.22 mV/100 ohms
Phono (MM)	2.5 mV/47K ohms	2.5 mV/47K ohms	2.5 mV/47K ohms
CD, Tape, Video	150 mV/47K ohms	150 mV/47K ohms	150 mV/47K ohms
Input overload:			
Phono (MC)	N/A	N/A	13.2 mV
Phono (MM)	200 mV	150 mV	150 mV
CD, Tape, Video	9 V	9 V	9 V
Signal-to-noise ratio (IHF-A):			
Phono MC (re 0.5 mV)	N/A	N/A	70 dB
Phono MM (re 5 mV)	88 dB	88 dB	88 dB
CD, Tape, Video (re 0.5 V)	96 dB	98 dB	100 dB
Frequency response:			
Phono, RIAA 20Hz-20kHz	±0.5 dB	±0.5 dB	±0.5 dB
CD, Tape, Video @ -3.0 dB	5Hz-200kHz	5Hz-180kHz	5Hz-180kHz
Total control range:			
Bass	±10 dB at 100Hz	±10 dB at 100Hz	±10 dB at 100Hz
Treble	±10 dB at 10kHz	±10 dB at 10kHz	±10 dB at 10kHz
Subsonic filter:			
Turnover frequency	18Hz	15Hz	15Hz
Slope	6 dB/octave	6 dB/octave	6 dB/octave
Loudness compensation:			
At 100Hz	+6 dB	+6 dB	+3, +6 dB
At 10kHz	+4 dB	+4 dB	+2, +4 dB
FM TUNER SECTION:			
Usable sensitivity (IHF) (mono)	10.8 dBf	10.3 dBf	10.3 dBf
Sensitivity, 50 dB quieting:			
Mono	14.0 dBf	13.2 dBf	13.2 dBf
Stereo	38.0 dBf	36.6 dBf	36.6 dBf
S/N ratio (IHF "A"):			
Mono	80 dB	80 dB	80 dB
Stereo	74 dB	75 dB	75 dB
Total harmonic distortion:			
Mono (1kHz)	0.1%	0.08%	0.08%
Stereo (1kHz)	0.18%	0.10%	0.10%
Stereo separation (1kHz):	45 dB	N/A	N/A
Wide I.F.	N/A	50 dB	50 dB
Narrow I.F.	N/A	35 dB	35 dB
Auto hi-blend threshold (8 dB at 10kHz)	N/A	35 dBf	35 dBf
Adjacent channel selectivity:	60 dB	N/A	N/A
Wide I.F.	N/A	50 dB	50 dB
Narrow I.F.	N/A	75 dB	75 dB
Capture ratio (at 45 dBf)	1.5 dB	1.5 dB	1.5 dB
Image rejection (at 106.1 MHz)	40 dB	100 dB	100 dB
Spurious response rejection	80 dB	100 dB	100 dB
Frequency response (30Hz - 15kHz)	+0.5,-1.0 dB	+0.5,-1.0 dB	+0.5,-1.0 dB
AM TUNER SECTION:			
Usable sensitivity (1000kHz)	350µ V/m	500µ V/m	500µ V/m
S/N ratio (1000kHz, 100 mV)	50 dB	50 dB	50 dB
Total harmonic distortion (30% Mod)	0.2%	0.5%	0.5%
Selectivity (±10kHz)	30 dB	50 dB	50 dB
GENERAL:			
Power supply	120V AC, 60Hz	120V AC, 60Hz	120V AC, 60Hz
Power consumption (no signal)	55 watts	66 watts	66 watts
Dimensions (WxHxD)	17¼"x4¼"x13½"	17¼"x5½"x16 11/16"	17¼"x5½"x16 11/16"
Weight	13.4 lb.		35.2 lb.

LUXMAN

For your authorized dealer, call:

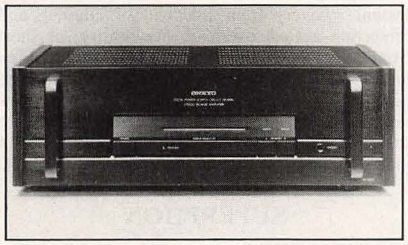
1-800-4 LUXMAN

CIRCLE NO. 76 ON READER SERVICE CARD

into 8 ohms from 20-20,000 Hz with no more than 0.003% THD, 240 W/ch into 4 ohms; S/N 120 dB; IMD 0.002%; dynamic power 190 W into 8 ohms, 360 W into 4 ohms, 480 W into 2 ohms. 17.12 x 7.25 x 16.75 in; 49 lb..... $830

Integra M-502 Power Amplifier
Dual-mono power amp with linear switching. Features 140 W/ch rms; 425 W/ch dynamic output into 2 ohms; full dual-mono design; low-impedance drive discrete output section; 4-way speaker selector $650
CW-M504. Wood sidepanels for above..... $85

M-5160 Power Amplifier
Features Delta power supply; 150 W/ch rms; 4-way speaker selector $360



PARASOUND

D/AS-1000II Power Amplifier
FET digital/analog servo amplifier. Features 60 MHz output transistors, 4 per channel; gold-deposited 80,000 mfd electrolytic capacitors; gold-plated RCA jacks; .25″ phone jacks; 5-way terminals; front panel level controls; mono bridging; 3-relay protection; digitally switched, bi-state power supply; 19″ rack mount optional; THD <0.1%; FR 20-20,000 Hz ±0.5 dB; S/N >110 dB; 17.25 x 5.5 x 12.5 in $720

HCA-800II Discrete Amplifier
High current discrete amplifier. Features 60 MHz outputs; gold deposited 36,000 mfd electrolytic capacitors; mono bridging with rear panel switch; gold-plated RCA jacks; .25″ phone jack; 5-way terminals; front panel level controls; speaker A/B terminals; headphone jack; relay protection 19″ rack mountable; THD <0.1%; FR 20-20,000 Hz ±0.5 dB; S/N >104 dB; 17.25 x 3.75 x 11.75 in $365

HCA-500 Discrete Amplifier
High current discrete amplifier. Features no integrated circuits; oversized power transformer; RCA jacks; .25″ phone jacks; 5-way terminals; front panel level-controls; relay protection indicator; 19″ rack mountable; THD <0.25%; FR 20-20,000 Hz ±0.5 dB; S/N >100 dB; 17.25 x 3.75 x 11.75 in..... $265

PERREAUX

PMF5550 500-W/ch Power Amplifier
Features Class-A operation up to 50 W/ch. 500 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.03% THD; suitable for 4 ohm use; continuous current output 30 amps; FR 20-20,000 Hz ±0.02 dB, 10-100,000 Hz ±0.5 dB; ch sep 60 dB 20-20,000Hz; damping factor over 200 from 10-1000 Hz; input sens 1.5 volts rms for rated output at 100 Hz. 20.25 x 19 x 20.5-in..... $6,500

PMF3150 Dual-Channel Power Amplifier
Class A operation up to 30 W/ch. 300 W/ch. into 8 ohms from 20-20,000 Hz with no more than 0.03% THD; suitable for 4 ohm use; MOSFET circuitry; THD/IMD 0.03%; max current output 10 amps continuous per ch.; bandwidth 0.5 dB from 10 Hz to 3,000,000 Hz at 1 watt; channel sep >70 dB; damping factor >400 from 10 Hz to 1,000 Hz; input sens 1.5 volts rms for rated output at 1,000 Hz$3,000

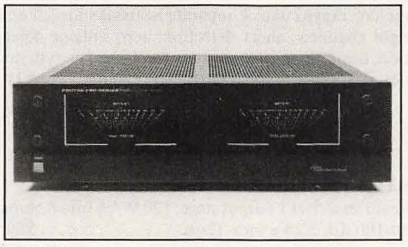
PMF2350 Power Amplifier
Features 200 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.01% THD; Class-A operation to 20 W/ch; channel sep 20-20,000 Hz 70 dB; damping factor 1,000 at 200 Hz, over 400 from 10 to 1,000 Hz; input sens 1.5 volts rms for rated output at 1,000 Hz. 6.25 x 19 x 6.25-in; 34 lb..... $2,500

PIONEER

Elite M-90 Power Amplifier
Features CD direct input with volume control; low-impedance driving capability; independent L/R mono construction; copper-plated chassis; nonswitching Type-II circuit; 2 pair speaker outputs; FL power level indicator; rosewood-finished vinyl-covered side panels. 200 continuous average W/ch from 5-50,000 Hz into 8 ohms with no more than 0.003% THD; dynamic power 300 W at 8 ohms, 550 W at 4 ohms. 10.4 x 22.5 x 21.2 in $950

PROTON

D1200 Power Amplifier



100-W/ch stereo power amp with Dynamic Power on Demand (DPD) to deliver as much as 1,500 W/ch (2 ohms) at peak demand, with 6 dB headroom. Features one- touch bridging and wide-range power-output meters. 16.5 x 4.31 x 9.75 in; 33 lb.... $699

AA-1150 Power Amplifier
50-W/ch dual-mono power amp with Dynamic Power on Demand (DPD) to deliver as much as 450 W/ch at peak demand, with 7 dB headroom. Features separate power supplies for each channel; dual peak-level power meters; LED DPD indicator; protection circuitry; gold-plated connectors; high-current capacity; power switch. S/N 115 dB; THD 0.02%; IMD 0.02%; damping factor >150. 19 x 4.3 x 14.4 in; 25.3 lb$499

PS AUDIO

200CX Power Amplifier
Features 200 W into 8 ohms, 400 W into 4 ohms; noise -90 dB; THD 0.02%; slew rate 250 V/msec. 69.9 lb..... $1,950

100C Power Amplifier
Features 120 W into 8 ohms, 200 W into 4 ohms; noise -90 dB; THD 0.02%; slew rate 250 V/msec. 35 lb..... $1,195

QUICKSILVER AUDIO

Mono Power Amplifier
Hand-wired, tube-type amp using no transisitors or circuit boards. 60 continuous average W/ch from 20-20,000 Hz into 8 or 4 ohms. Can drive 0.5-ohm loads. 30 lb; 9.25 x 6.06 x 14.36 in $720

QUAD

Model 606 Power Amplifier
Power amp with feed-forward error correction (current dumping) combines clarity of Class A operation with efficiency of Class B. Designed to play dynamic program into speakers. Is not rated for continouous power. Protection circuitry uses a sensor on AC-input side of power supply to integrate current over time. No fuses or relays located in signal path. Detailed static and dynamic power curves available upon request from manufacturer. THD (continuous sine wave in 8-ohm resistive load any level up to 130 W) <0.01% at 20 Hz, <0.01% at 1,000 Hz, <0.03% at 20,000 Hz; FR 20-20,000 Hz −0.25 dB. 12.75 x 5.5 x 9.5 in; 27 lb..... $1,295

Model 306 Power Amplifier
Power amp with feed-forward error correction (current dumping) combines clarity of Class A operation with efficiency of Class B. Designed to play dynamic program into speakers. Is not rated for continouous power. Protection circuitry uses a sensor on AC-input side of power supply to integrate current over time. No fuses or relays located in signal path. Detailed static and dynamic power curves available upon request from manufacturer. THD (continuous sine wave in 8-ohm resistive load any level up to 50 W) <0.01% at 20 Hz, <0.01% at 1,000 Hz, <0.03% at 20,000 Hz; FR 20-20,000 Hz −0.25 dB. 12.75 x 2.75 x 8.25 in; 11 lb..... $695

RCA

MPA120 Power Amplifier
Dimensia power amplifier with automatic power-on and on-screen volume graphics when used with Dimensia monitor. Features fluorescent output display with peak hold; LED power and overload indicators; quick-connect speaker terminals; display on/off switch; headphone jack; A/B speaker switching; AC convenience outlet. Power output: 120 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.015% THD; S/N 88 dB. 14.63 x 4.75 x 13.75 in$399

MPA100 Power Amplifier
Dimensia power amplifier with automatic power-on and on-screen volume graphics indication when used with Dimensia monitor. Features quick-connect speaker terminals; headphone jack; A/B speaker switching; AC convenience outlet. Power output: 100 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.015% THD; S/N 88 dB. 14.63 x 4.75 x 13.75 in..... $299

REVOX

B242 Power Amplifier
High-output power amp capable of driving loads from 2-8 ohms at rated levels. Features dual independent power supplies; DC voltage control; electronic short-circuit protection; temperature sensor to activate fan cooling; auto on/off switching responds to signal from preamp; 4/8-ohm speaker output switch; LED bar-graph output meter; heavy-duty output connectors. 200 continuous average W/ch from 20-20,000 Hz with no more than 0.03% THD, 300 W into 4 ohms; dynamic headroom 2.5 dB into 8 ohms; S/N 117 dB; rise time −2 μs; damping factor 200 (1 kHz 8 ohms); sep 80 dB at 1,000 Hz. 18 x 6 x 14 in; 37.5 lb..... $3,000

ROTEL

RB890 Stereo Power Amplifier
Power amp with 160 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.03% THD; bridgeable to 480 watts/8 ohms; high-current close-tolerance components..... $749

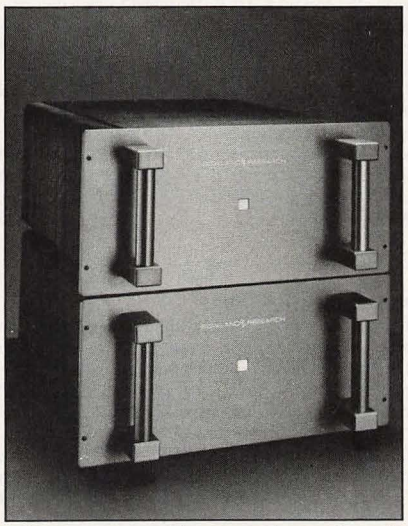
RB870BX Stereo Power Amplifier
100 watt power amp bridgeable with RA870 (integrated amp) for 300 watts into 8 ohms..... $549

RB850 Stero Power Amplifier
50 W/ch bridgeable to 150 W into 8 ohms.... $299

JEFF ROWLAND DESIGN GROUP

Model 7 Monaural Power Amp
Solid-state mono power amp with FET front-end circuitry and bipolar outputs. Features direct-coupled zero-negative-feedback circuitry to eliminate all capacitors and inductors from signal path; seperate power supplies for front-end circuitry; torodidal power supplies with 132,000-microfarad capacitance for over 500 joules of energy; remote AC power switching; internal voltage switching (100V-240v

AC). Balanced or unbalanced inputs standard with XLR connector. Adjustable input imp for optimum input cable termination. Class A operation to over 50 watts. 350 W continuous power output into 8 ohms, 1,100 W into 2 ohms, stable below 1 ohm. 150 amps



peak output current, 50 amps continuous. Damping factor >300, 20 Hz-20,000Hz; 135 lb ea; 19 x 8.75 x 24 in $9,800/pr

Model 5 Stereo Power Amplifier
Solid-state power amp with FET front-end circuitry and bipolar outputs. Features direct-coupled zero-negative-feedback circuitry; seperate power supplies; torodial power transformer with 164,000-microfarad total capacitance; remote AC power switching; internal universal voltage switch; balanced or unbalanced inputs standard with XLR connector; adjustable input imp; Class A operation to over 35 watts. 150 W/ch continuous power output into 8 ohms, 475 W into 2 ohms, stable below 1 ohm; damping factor >175, 20-20,000 Hz; 75 amps peak output current; 30 amps continuous. 103 lb; 19 x 8.75 x 24 in $5,500

Model 3 Mono Power Amplifier
Solid-state power amp with bipolar outputs with FET inputs. Features direct-coupled zero-negative-feedback circuitry; seperate power supplies for front-end; toroidal power transformer stable to 1 ohm; remote power switching; balanced or unbalanced inputs standard; adjustable input imp. 100 W into 8 ohms, 220 into 4 ohms, 330 into 2 ohms; peak output current over 55 amps. 15.2 x 5.25 x 14 in; 44lb..... $4,550/pr

SAE

X10A Power Amplifier
Hypersonic Class A power amp. Features gold-plated connectors; toroidal transformer; wide/narrow band inputs; LED true power meters; anodized gray finish. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.025% THD into 8 ohms; FR 20-20,000 Hz ±0 dB; S/N 110 dB; dynamic headroom 1.2 dB; slew rate 20 amps/μs; IMD 0.02%; 19 x 3.5 x 12.5 in; 28 lb..... $900

A502 Power Amplifier
Power amp with automatic bridging circuit. 200 continuous average W/ch from 20-20,000 Hz with no more than 0.025% THD into 8 ohms; 600 W mono operation. Features dual-speaker system switching; peak and average LED power display. Rack mountable. FR 20-20,000 Hz ±0 dB; S/N 110 dB; dynamic headroom 1.2 dB; IMD 0.025%; 19 x 5.25 x 14 inches; 48 lb $799

A202 Power Amplifier
Power amplifier with 100 W/ch and balanced, discrete outputs. Features dual-speaker switching; peak and average level LED power display. Rack mountable. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.025% total harmonic distortion into 8 ohms; frequency response 20-20,000 Hz ±0 dB; signal-to-noise ratio 110 dB; dynamic headroom 1.2 dB; intermodulation distortion 0.025%; 19 x 3.5 x 14 in; 31 lb $499

SANSUI

B-3000 120-W/ch Power Amplifier
Features 120 W/ch driven into 8 ohms from 20-20,000 Hz with 0.05% THD; DC servo circuit; 2 power meters; range control; separate heatsinks for left and right channels; short detection; zero voltage detection; thermal detection; headphone jack; outputs for 2 speaker systems. IMD 0.01%; FR 5-100,000 Hz; S/N 120 dB..... $260

B-1000 75-W/ch Power Amplifier
Features 120 W/ch driven into 8 ohms from 20-20,000 Hz with 0.05% THD; DC servo circuit; 2 power meters; range control; separate heatsinks for left and right channels; short detection; zero voltage detection; headphone jack; outputs for 2 speaker systems. IMD 0.01%; FR 5-100,000 Hz; S/N 120 dB..... $210

SONOGRAPHE BY CONRAD-JOHNSON

SA120 120-W/ch Power Amp
Features MOSFET output stage; 120 W/ch into 8 ohms; S/N100 dB; 5.25 x 18 x 12-in. $895

SONY

TA-N77ES 270-W/ch Power Amplifier
Features spontaneous twin drive power supply; low-impedance drive capability; mono operation at 580 W into 8 ohms from 20-20,000 Hz with 0.007% THD; chimney-style heatsinks; fixed and variable inputs 2 independent protection circuits; peak level power meters; 2 sets of speaker terminals. 270 W continuous into 4 ohms, 20-20,000 Hz with 0.006% THD; damping factor 100; slew rate 150V/μsec, 300V/μsec (inside) $1,200

SOUNDCRAFTSMEN

A5002 Power Amplifier
Power amp with Class H Vari-Proportional circuitry and autobuffer for continuous operation into 2 ohms, 4 ohms, and 8 ohms. Features auto crowbar-protection circuit for output protection without current limiting; 20 LED/ch 0-1,000 W ±3 dB (4 ohms) meters; front-panel switching for 2 pairs of speakers; true clipping indicators; input level controls. Output power 250 W/ch into 8 ohms, 375 W into 4 ohms continuous rms, 20-20,000 Hz at <0.09% THD; S/N >105 dB; slew rate >50 V/μs; TIM <0.02%; dynamic headroom >2 dB $949
A5001. Same as A5002 except no LED meters and no input level controls $799

Pro-Power Four Power Amplifier
Ultra-high-current MOSFET power amp with dual 20-segment LED meter true clipping indicators, 2-pair speaker switching. 205 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.05% THD, 300 W into 4 ohms, 450 W into 2 ohms; S/N 105 dB; slew rate 40 V/μs; IMD 0.05%. 19 x 5.25 x 11 in; 28 lb $799
Pro-Power Three. As above without level controls and LED meters..... $699

Pro-Reference Two Power Amplifier
MOSFET stereo power amp with 20-LED power meters. Features switching for 2 pairs of speakers; input level controls; true clipping indicators; brushed aluminum with charcoal finish rack-mount front panel. Output power 100 W/ch into 8 ohms, 200 W/ch into 4 ohms, continuous rms, 20-20,000 Hz at <0.05% THD; S/N >105 dB; damping factor 200..... $699
Pro-Reference One. Same as above without LED meters..... $599

PCR800 Power Amplifier
Phase-control-regulation MOSFET stereo power amp. 205 W/ch continuous rms; 20-20,000 Hz into 8 ohms; THD 0.05%; TIM unmeasureable; S/N >105 dB; 18 lb; 5 x 8.25 x 12 in..... $499
PM840 Power Amplifier. Same as above except high current circuitry added for 300 W/ch at 4 ohm; 450 W/ch at 2 ohm $549

SPECTRASCAN

BPA-101B Class AB Power Amplifier
Utilizes propriety-nested, multiple-feedback loops. DC-coupling with highly regulated power supply. Instant recovery from overload or clipping and protection against overload, overheating, or short circuits without the use of current limiting. 100 W/ch into 8 ohms, 174 W/ch into 4 ohms; switchable to bridge operation for 350 W mono into 8 ohms. Slew rate 40/V μsec; FR 2-20,000 Hz; THD .008%; IMD 0.07%; signal-to-noise ratio 98 dB; 5.25 x 19 x 14 inches; 40 pounds..... $1,530

SUPERPHON

DM 220 100 W/ch Power Amplifier
100 W/ch power amplifier with rated power bandwidth 20-20,000 Hz $899

SUMO

NINE PLUS Power Amplifier
Class A power amplifier without any active bias circuits or thermal tracking networks. Features balanced-bridge configuration; push-pull quadrature feedback circuits; Discrete-Darlington output stage; direct-coupled circuitry from input to output. Power output 65 W/ch into 8 ohms from 20-20,000 Hz with <0.1% THD; FR 20-20,000 Hz ±0.25 dB; 14 x 8.5 x 7 in; 35 lb..... $1,199

Andromeda Power Amplifier
Class AB power amplifier with full-wave quadrant differential balanced-bridge topology using 4 independent push-pull feedback loops. Power output 200 W/ch continuous average into 8 ohms; THD 0.05%; IM 0.05%; slew rate 20 V/μsec; sens 1.8 V for rated output; dynamic headroom 1.5 dB; 19 x 8.75 x 7 in; 35 lb $1,099

NINE Power Amplifier
Class A power amp with auto-biasing technology obviating thermal tracking, conventional bias, and protection circuitry. Power output 60 W/ch continuous average into 8 ohms; total harmonic distortion 0.25%; intermodulation distortion 0.05%; slew rate 15 V/μsec; sens 1.0 V for rated output; 19 x 8.75 x 7 in; 35 lb $799

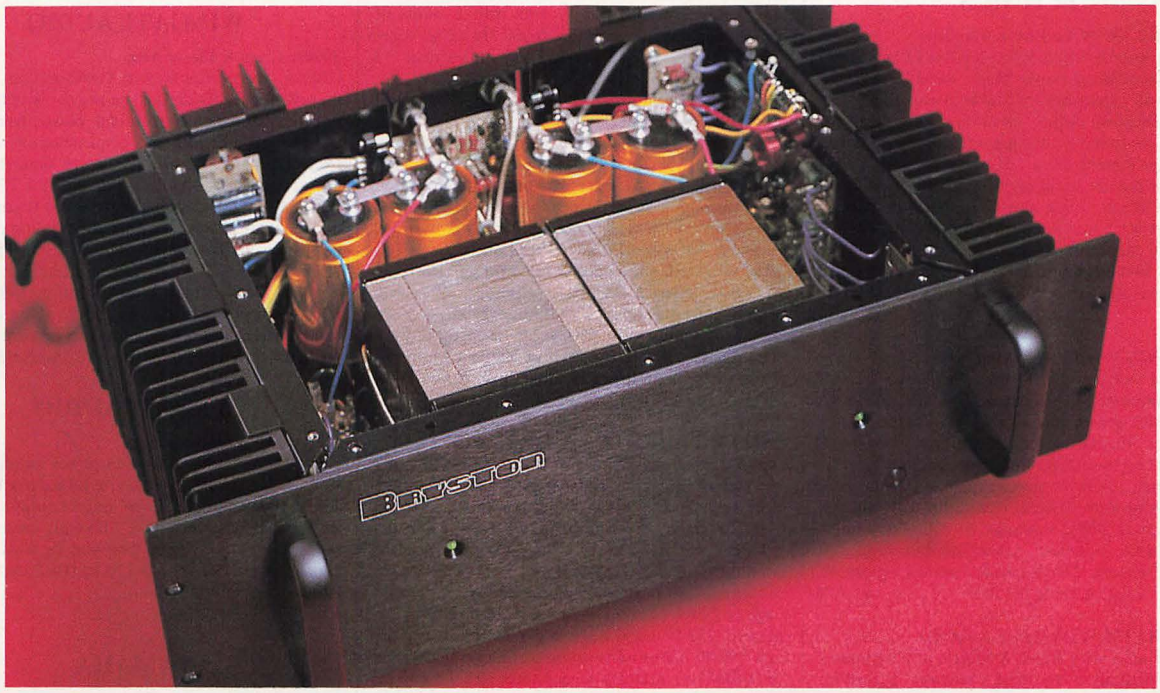
Polaris Power Amplifier
Class AB power amp that does not invert phase. Power output 100 W/ch continuous average into 8 ohms; THD 0.05%; IM 0.05%; sens 1.27 V for rated output; dynamic headroom 1.5 dB; 25 lb. With custom front panel and handles $699

TANDBERG

TPA 3016A 220-W/ch Power Amplifier
Stereo power amp with high-current (100 amp/ch) output design. Features separate power supply and toroidal transformer for each ch; zero feedback with 16 power MOSFET's in the output stage; 120,000-microfarad storage capacity; stable to 1 ohm; electronically controlled auto fan. 220 W/ch. 17.13 x 8.7 x 13.75 in; 62 lb..... $4,000

TPA-3026A 150-W/ch Power Amplifier
Stereo power amp with high-current (45 amp/ch) output design. Features selected all-metal film resis

BRYSTON



Bryston 4B Power Amplifier

Bryston's Critical Acclaim

- *"I have heard quite a few preamplifiers costing 3 times as much as this Bryston .5B, and not only would few of them sound better or be more acoustically accurate, but many would suffer by comparison."* **Audio Ideas Guide**

- *"Overall tonal balance of the Bryston .5B preamplifier was beyond reproach, and I was particularly pleased with the clean, smooth reproduction of high frequencies."* **Audio Magazine**

- *"At the incredibly competitive price of the Bryston .5B preamplifier, we can only strongly recommend its purchase!"* **Son-Hi-Fi**

- *"This Bryston .5B is a high-end product in every sense of the word, even in its simplicity, and it deserves to be known as the bargain of the decade in state-of-the-art preamplifiers."* **Audio Ideas Guide**

- *"Speed, huge transient attack, and powerful bass response were our first subjective impressions. This Bryston 4B has dynamic range to burn."* **Audio Magazine**

- *"The new 3B is neutral and self-effacing, with little character."* **Hi-Fi Sound Magazine**

- *"The Bryston TF-1 is superb, in fact the very best transformer we can recall hearing."* **Hi-Fi Sound Magazine**

- *"The Bryston TF-1 is the best MC transformer I have yet heard, and is so well shielded that its signal-to-noise figure matches any other step-up device on the market, and probably exceeds most."* **Audio Ideas Guide**

- *"I would say that the LP playback qualities of the 12B with either moving coil or moving magnet cartridges are state of the art."* **Audio Ideas Guide**

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tors and polypropylene capacitors; zero negative feedback and discrete components. 150 W/ch with no more than 0.02% THD into 8 ohms; S/N 100 dB; 17.13 x 5.25 x 13.75 in; 24 lb $2,500

TECHNICS

SE-A3MK2 300-W/ch Power Amplifier
Features computer-drive linear-feedback Class-A circuitry; concentrated power block; extra-large transformers and capacitors for stable power supply; 4-stage Darlington output circuitry; auto-load imp detector; computer-protection circuitry; large, fast peak-power meters; extra 2-Hz low-cut input terminals; main/remote/main and remote/off pushbutton speaker selectors; thick aluminum cabinet. Output power 300 W/ch into 8 ohms; FR DC-200,000 Hz ±3 dB; input sens/imp 55 mV/4-16 ohms main or remote, 8-16 ohms main and remote; damping factor 200 8 ohms, 100 4 ohms; 16.94 x 8.19 x 19.97 in; 86 lb $2,400

SE-A100 170-W/ch Power Amplifier
Features 1 voltage and 1 current amplifier per ch (voltage amps isolated from load by Class AA bridge circuit which drives current amp to avoid influence of complex, fluctuating speaker imps on voltage/current phase relationship, preventing counter electromotive force); massive power supply; 3 transformers (L-ch current amp, R-ch current amp, L/R voltage amps) using LC-OFC windings; 91,200-μfarad filtering; magnetic isolation; vibration damping. 170 W/ch into 8 ohms, 240 W into 4; dynamic headroom 0.7 dB. 17 x 8.25 x 18.75 in; 70 lb $1,920

SE-A5MK2 150 W/ch Power Amplifier
DC power amp with linear feedback and computer drive to neutralize transient crossover distortion. Features parallel 3-stage Darlington output; power-linear circuit to compensate for speaker imp variation; power-output meters. 150 W/ch into 8 ohms; FR DC-150,000 Hz +0/-3 dB; IMD 0.002% 8 ohms; LF damping factor 100; 16.94 x 7 x 16.36; 40.6 lb$1,035

THRESHOLD

SA/12 Class A Power Amplifier
Similar to SA/1 except 300 W pure class A output, no meter, 600 ohm balanced input capability, ultra-precision bias tracking circuitry with optical isolation, independent rail power supply including dual transformers. DC coupled with response of DC - 100,000 Hz. Slew rate 100 V/msec; 200 pk ampere capability; 19 x 9.5 x 25 in; 130 lb $6,000

S/1600 Class A/AB Statis Power Amplifier
Similar to S/500 except 800 W/ch; 600 ohm balanced input capability; ultra-precision bias tracking circuitry with optical isolation; independent rail power supply including dual transformers; DC coupled with response of DC - 100,000 Hz; slew rate 100 V/msec; 200 pk ampere capability; 19 x 9.5 x 25 in; 130 lb $6,000

SA/1 Class A Stasis Power Amplifier
Single-ch, noninverting complimentary-symmetry power amp with N-ch JFETs in front-end signal path and proprietary Stasis output stage. This is a binary topology in which a pure Class A voltage amp connected directly to the loudspeaker load determines signal integrity while operating in conjunction with a high-amperage currect mirror also operated in pure Class A and connected directly to the load. No global feedback is used. Output stage bias accuracy is maintained through Threshold's proprietary opto-isolated optical bias technology. Front-end gain stages biased for Class-A operation at all signal levels and are subject to primary and secondary levels of cascode shielding. Output stage employs 40 ultra-wide-bandwidth power transistors each rated at 200 V, 20 amperes. No fusing is imposed between output and load. Input and output connectors have gold-plated contact surfaces. Circuit boards are military grade glass-epoxy and all internal connections are hand soldered. Operation is allowed into any load as permitted by power-supply fuses and thermal-protection circuitry. Large illuminated front-panel peak power meter covers −30 to +3 dB. Power supply 1,000 W toroidal transformer, 120,000 μF capacitance. Rated power 160 W rms into 8 ohms of resistive or reactive imp 20-20,000 Hz at no more than 0.05% THD; idling bias 320 W; bandwidth at −3 dB points, 7 Hz and 100,000 Hz; slew rate 50V/μsec; IMD 0.05%; input imp 75,000 ohms; output imp 0.03 ohms; output current capability 40 amperes continuous, 150 amperes peak; 19 x 9.5 x 17.5 in; 79 lb$2,750

SA/2. Similar to SA/1 except no output power meter. 100 continuous W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; idling bias 240 watts; FR 7-100,000 Hz at −3 dB points; S/N −100 dB unweighted, referenced to rated output; slew rate 50 V/μsec; IMD 0.1%; 30 continuous, 100 peak ampres output capability. Output stage employs 28 ultra-wide bandwidth, 200 V, 20 ampere, 250 W rated devices. Power supply uses 700 W continuous rating toroidal transformer, 60,000 μF capacitance. 19 x 9.5 x 13.12 in; 56 lb $2,750

SA/3 Class A Stasis Power Amp. Similar to SA/2 except dual ch, lower power configuration. 50 W/ch rms both channels driven from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; idling bias 240 watts; frequency bandwidth 7 Hz and 100,000 Hz at −3 dB points; S/N −100 dB unwtd referenced to rated output; slew rate 50 V/μs; IMD 0.1%; 16 continuous, 80 peak amperes capability/ch. Output stage employs 14 ultra-wide bandwidth, 200-V, 20-ampere, 250-W rated devices per ch. Power supply uses 700-W continuous rating toroidal transformer, and 60,000 microfarads capacitance. 19 x 9.5 x 13 in; 56 lb $2,750

S/500 Class A/AB Stasis Power Amplifier
Dual-ch, noninverting complementary-symmetry power amp employing the same signal-path and optical topology as SA-series amps except current bootstrap section of Stasis ouput stage is operated under high bias as Class A/AB. No global feedback employed. Front-end gain stages and voltage amp section of Stasis output stage are biased for Class A operation at all signal levels. Front-end signal transistors are subject to primary and secondary levels of cascode shielding. Modular construction. 250 W/ch rms from 20-20,000 Hz with no more than 0.1% THD into 8 ohms; idling bias 240 watts; frequency bandwidth at −3 dB points 7 Hz and 100,000 Hz; S/N −100 dB unwtd referenced to rated output; slew rate 50 V/μs; IMD 0.1%; 12 continuous, 100 peak amperes capability/ch. Output stage employs 20 ultra-wide bandwidth, 200-V, 20-ampere, 250-W rated devices per ch. Power supply uses 1,000-W continuous rating toroidal transformer, and 120,000 microfarads of capacitance. Output imp 0.1 ohm 20-20,000 Hz. 19 x 9.5 x 17.5 in; 78.5 lb. $3,700
S/300 Class A/AB Stasis Power Amp. As model S/500 except rated power 150 W/ch rms into 8 ohms, both chs driven 20-20,000 Hz at 0.1% THD; output transistor complement fourteen 200-V, 20-ampere devices/ch; power supply 700-W toroidal transformer, 60,000 μF capacitance; output current capability 10 amperes/ch continuous, 80 amperes/ch peak; 19 x 9.5 x 13 in; 56 lb. $2,750
S/200 Class A/AB Stasis Power Amp. As model S/300 above except rated power 100 W/ch rms into 8 ohms, both chs driven 20-20,000 Hz at 0.1% THD; idling bias 160 watts output transistor complement eight 200-V, 20-ampere devices/ch; power supply 400-W toroidal transformer, 30,000 μF capacitance; max output current 8 amperes/ch continuous, 50 amperes/ch peak; 19 x 9.5 x 17.5 in; 44 lb.. $1,800

VECTOR RESEARCH

VA-1450 Power Amplifier
Features high-current, 8-output transistors, dual transformers; bridgeable to 200 W mono; phase inverted line-out; 100 continuous average W/ch 20-20,000 Hz <0.08% THD into 4 ohms; dynamic headroom 2.5 dB; IHF IMD 0.08%; FR 10-40,000 Hz ±1 dB. 17 x 3 x 12; 21 lb $349

WINGATE AUDIO

2000A Class A Power Amp
Class A power amplifer with 100% MOSFET. Features no negative feedback; dual-mono construction; MOSFET regulated power; toroidal power transformer; ultra-wide bandwidth. 100 continuous average W/ch from 20-20,000 Hz with no more than 0.5% total harmonic distortion into 8 ohms; FR 0.1-250,000 Hz +0, −3 dB; S/N >100 dB; dynamic headroom 1.6 dB; slew rate 100 V/μsec; intermodulation distortion 0.5%; gain 30 dB; input imp 25,000 ohms; 19 x 8.12 w 22 in; 67 lbs $3,900
4000M. 250-W mono block, same performance as 2000A except power output 250 W, damping factor >60; current drive capability 128 amperes peak to peak, continuous current drive 46 amperes$4,995/pr

WRIGHT AUDIO

Stereo 70 Power Amplifier
35 W/ch vacuum-tube stereo power amplifier. Features all hand-wired circuitry; solid red oak base; sens 1.3 V rms input for 35 W output; input imp 470 kilohms; output imp 4, 8, 16 ohms each channel; binding post terminals; damping factor 15; power consumption 190 W, 110-120 V, 50/60 cycles. 33 lb.
Already assembled $850
Kit. $750

YAMAHA

MX-10000 Power Amplifier
Limited Centennial Edition power amplifier. Features dual-amp class-A operation; hyperbolic converting non-switching circuitry; power MOSFET's; high-precision analog dB scale peak level meter. 250 W/ch minimum root mean square into 8 ohms from 20-20,000 Hz with less than 0.0005% total harmonic distortion. Titanium grey with high luster walnut end panels; 120 lb $7,000

MX-1000U Power Amplifier
Power amplifier with hyperbolic conversion amplification circuit. 260 W/ch into 8 ohms from 20-20,000 Hz with less than 0.003% THD. Features A+B+C speaker switching; 26-segment LED power level meters; on/off switch; independent L/R level control; 4-digit numerical power output display; LED meter and digital peak hold display; meter display load selectors; compatible with banana plugs. 600,000 μF x 2 power supply capacity $1,199

MX-800U Power Amplifier
Power amplifier with hyperbolic conversion amplification circuit. 170 W/ch into 8 ohms from 20-20,000 Hz with less than 0.003% THD. Features A+B+C speaker switching; 26-segment LED power level meters; on/off switch; independent L/R level control; meter display load selectors; compatible with banana plugs. 600,000 μF x 2 power supply capacity.. $849

MX-600U Power Amplifier
Power amplifier with hyperbolic conversion amplification circuit. 135 W/ch into 8 ohms from 20-20,000 Hz with less than 0.003% THD. Features A+B speaker switching; 12-segment LED power level meters; on/off switch; independent L/R level control; compatible with banana plugs. 600,000 μF x 2 power supply capacity..... $529

M-35B Power Amplifier
Features 2 or 4 channel output; independent level control; high dynamic power; low impedance drive capability. 40 x 2 or 20 x 4 W/ch min rms into 8 ohms from 20-20,000 Hz with less than 0.003% THD; 13 lb..... $249

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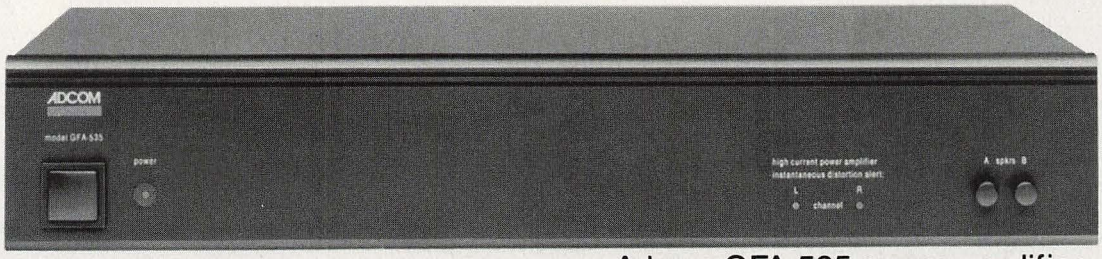
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"In its price category, the Adcom GFA-535 is not only an excellent choice; it's the only choice."

Sam Tellig, The Audio Cheapskate
stereophile
Vol. 10 No. November 1987



Adcom GFA-535 power amplifier.

The complete report:

Sometimes products are too cheap for their own good, and people don't take them seriously: the Superphon Revelation Basic Dual Mono preamp, Rega RB300 arm, AR ES-1 turntable, Shure V15-V MR cartridge, and the B&K ST-140 power amp. They can't be any good because they cost so little, right?

Wrong, of course.

Adcom appears to be having the same problem with their $299.95 GFA-535 amp. Credibility.

Now if this amplifier were imported from England and sold for $599.95, then maybe it would be taken seriously. And highly praised, no doubt.

For the baby Adcom is one of the finest solid-state amps I have heard. No, not the best; I'm not sure what *is* the best. But it's an amplifier that is so good for so little money as to be practically a gift.

Actually, when Rob Ain from Adcom called, I was about as enthusiastic about the GFA-535 as you were before you finish reading this piece. But Rob insisted, "You've gotta hear this amp."

He brought it over the next day, along with the GFP-555 preamp ($499.95), and we put both pieces into the rest of the system: a Shure Ultra 500 in a Rega RB300 arm on an AR ES-1 table, with Quad ESL-63 speakers on Arcici stands. Then we chatted for a half hour or so while the electronics warmed up.

And then, simultaneously, the two of us decided to shut up and listen.

"I've never heard the Quad ESL-63 sound better," Rob said. Of course, he was hardly an impartial observer, but the sound was extraordinarily clean, detailed, and musical. If it wasn't the best sound *I* have ever heard from Quads, it was pretty close.

This humble $300 amplifier was driving a pair of very revealing $3000 speakers and giving a very good account of itself. (We listened first to some Goran Sollscher classical guitar.)

"So how come this product isn't flying off the dealers' shelves?" I asked Rob.

"I don't know. Everyone wants the GFA-555 with 200 watts per channel. Including people who don't need it."

"Does the GFA-555 sound any better?" I asked.

"It's our aim to have all our amps sound pretty much the same. You pay more money, you get more power."

Rob pointed out that while the GFA-535 is rated at 60Wpc, it puts out more like 80. And while I did not do any measurements, my experience with other amps tells me Rob's right. I suppose Adcom doesn't want to steal sales from its GFA-545, rated at 100Wpc and selling for $200 more.

After a couple of hours, Rob left, grinning from ear to ear, and I later sat down to listen alone. True, when I tried certain Telarcs and pushed hard I could get the amplifier to clip—two LEDs quickly light up (very useful). But the Quads were running out of the ability to use the power anyway. My first impressions

were confirmed: the GFA-535 is one of the best amplifiers around for driving Quads. Spendor SP-1s, too.

Suddenly, it hit me what this meant. Conventional wisdom had been dealt a severe blow. You know, the old saw that you should never power a good pair of speakers with a

"The GFA-535 reminds me of...amplifiers that sell...for about three and five times the price."

cheap amplifier. Here was a cheap amp—one of the cheapest on the market—that sounded good with Quads, Spendors, later Vandersteens. Probably Thiels, too—at least the CS1. What it means is you can stretch your speaker budget a bit and get the speakers you really want, then economize by buying an Adcom GFA-535 for $299.95. True, you may be a little power shy, but probably not much. And to say the least, the GFA-535 would make a decent interim amp.

What does the GFA-535 sound like? (You thought I'd forget that part, right?) Well, this is one of the most neutral amps I've heard.

"...the baby Adcom is one of the finest solid-state amps I have heard...so good for so little money as to be practically a gift."

While it doesn't sound particularly tubelike, it avoids the typical transistor nasties through the midrange and into the treble. I wouldn't call it sweet—there's no euphonic coloring—but it isn't cold or sterile. What it is, is smooth. And detailed. Far more detailed than I would ever imagine a $300 amplifier could be. The GFA-535 reminds me of the Eagle 2A and PS Audio 200C, amplifiers that sell, respectively, for about three and five times the price. Of course, they have more power. And they *are* more detailed. The point is, the Adcom comes close. Very close.

The bass, like everything else, is neutral, certainly not fat and overdone. But it's here where you notice that this amp is not a powerhouse. You just don't get the solidity and extension you get with a very powerful (and expensive) solid-state amp. Nor do you get the breadth and depth of soundstage that you often find with a very powerful amp. The Adcom GFA-535 sounds a wee bit small, which it is.

My only criticism, and it's more of a quibble, is that the speaker connectors are nonstandard and unique (so far as I know). You insert bared speaker wire into a hole and twist the connector tight a quarter turn. Most speaker cables will fit, but some will not. Certainly MIT won't. Neither will the best Kimber, the kind with eight clumps of strands. The less costly four-clump Kimber will, and proved an excellent choice. My sample amp was quiet—

"This amplifier is so good and so cheap that I think any CD owner who buys an integrated amp is nuts."

no hum—and ran cool. There are selectors for two sets of speakers. And the 535 looks nice.

And talk about economy: If you're not into LPs anymore, you could buy a Mod Squad, dbx, or Old Colony line-level switching box—or possibly a B&K Pro 5 preamp, with its switchable line amp section (only $350), or the Adcom SLC-505 passive preamp ($150)—and run it with a CD player. In fact, if you are into CD only (no tape, no tuner, no phono), you could buy a CD player with a variable volume output and run it directly into the Adcom. This amplifier is so good and so cheap that I think any CD owner who buys an integrated amp is nuts.

In its price category, the Adcom GFA-535 is not only an excellent choice; it's the only choice. The real question is whether you should buy one even if $299.95 is much *less* than you planned to spend for an amp—*ie*, whether you should put the money into a better CD player or pair of speakers instead.

ADCOM®
fine stereo components
11 Elkins Road, East Brunswick, NJ 08816
U.S.A. (201) 390-1130 Distributed in Canada by:
PRO ACOUSTICS INC. Pointe Claire, Quebec H9R 4X5

CIRCLE NO. 61 ON READER SERVICE CARD



ACCUPHASE BY MADRIGAL

C280L Class A Preamplifier
All-stage Class A push-pull arrangement and DC servo-controlled direct-coupled unit amps and signal paths. Built-in head amp for MC cartridges; separate power transformers for each ch (+26 dB or +32 dB); MC input-imp selector switch; separate R and L input-level control; 2-stage selectable loudness compensation. Phono input 2 mV, phono (head amp on): 0.1 mV/0.5mV selectable; line/tuner input 126 mV; rated output 2 V; line/tuner S/N 110 dB; phono S/N 85 dB; phono S/N (head amp on) 72 dB $7,850

C270 Class A Preamplifier
Cascode push-pull circuits on all stages; separately regulated power supply for each gain stage in each ch; fully balanced input and output for CD player; 10 inputs; selectable loudness compensation. Inputs for MM phono; tape; tape 2; CD player; CD player/balanced; tuner; 4 line-level sources. S/N 92 dB; 34.4 lb..... $5,750

C200V Preamplifier
Preamp and control center with 11 inputs; separate tone controls for each ch with selectable turnover frequencies; some inputs and outputs accessible from front panel. Inputs for MM phono, MC phono, tape, tape 2, tape 3; aux, phono 2, phono 3, CD player, tuner; line 2; line 3. Max output 8.0 V; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 300 mV, 30 lb $4,250

ACOUSTIC RESEARCH

AR C-06 8-Input Preamlifier
Features infrared remote control of inputs and volume via T-04 tuner cable link; switchable MM input capacitance; gold-plated phono inputs; separate headphone amp. Inputs for MM phono; MC phono; tape; tape 2; CD player; tuner; video. FR 13-50,000 Hz ±3 dB; S/N 90 dB; THD 0.005%; phono sens/imp 0.8 mV/47 kilohms (MC), 60 μV/180 kilohms (MM); phono overload level 180 mV (MM), 15 mV (MC); CD input sens/imp 50 mV/15 kilohms; tuner/tape input sensitivity/impedance 50 mV/33 kilohms. 3.31 x 17 x 13 inches..... $399

ADCOM

GFP-555 Preamplifier
Features two-sided copper-plated circuit board for low noise and hum; switchable phono-input capacitance; switchable gain on phono input; tape dubbing; separate headphone amp; 2 sets of outputs (AC coupled, DC coupled); signal-processor loop; 5 pairs of high-level inputs. Can record from one input while listening to another input. Inputs for MM phono; MC phono; tape; tape 2; CD player; tuner; video. FR DC-400,000 Hz ±0.5 dB; THD 0.005%; MM phono sens 0.4 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 40 mV. 17 x 3.25 x 12.75 in $500
GFP-555W. As above with white front panel . $550
GFP-555S. With silver front panel..... $550

GTP-500 Preamplifier/Tuner
Preamplifier with built-in tuner can be used with Adcom or other power amps. Wireless remote control included. Remote sensors available for remote control from different rooms. Preamp section features inputs for MM phono; tape; tape 2; CD player; tuner. Tuner section features quartz-referenced digitally synthesized tuning; auto up and down scan; 8 AM/FM presets; 5-LED signal-strength display; high-blend circuit; 2 sets of outputs (AC coupled, DC coupled). S/N phono A-wtd 85 dB; IMD preamp 0.0015%; sens tuner 36.5 dBf stereo; THD tuner 0.09% stereo at 1,000 Hz; S/N tuner 75 dB stereo; sep tuner 52 dB at 1,000 Hz. 17 x 3.25 x 12.75 in $600
GTP-500W. As above with white front panel . $650
GTP-500S. With silver front panel..... $650

Accessories
RM-3. Optional rack-mount adaptors for GFP-555 and GTP-500 ..... $20/pr
RM-3W. RM-3 in white $25/pr
RM-3S. RM-3 in silver $25/pr
XR-500. Optional remote sensor for GTP-500 . $90

AUDIO DESIGN ASSOCIATES

ADP-8 Preamplifier
Preamplifier with 8-input capability. Features 5 stereo source inputs; 3 stereo tape inputs; 1 stereo signal processor loop input; input imp <47k ohms; max input level ±8 volts; 3 main outputs; 3 tape outputs; 1 processor loop output; output imp >100 ohms; max output level ±12 volts; FR 20-20,000 Hz ±0.25 dB; THD 0.05%; S/N -85 dB; volume, balance, bass, mid, treble and source selection controls; 1 switched outlet. 3.5 x 19 x 13.5 in; 9 lb $995

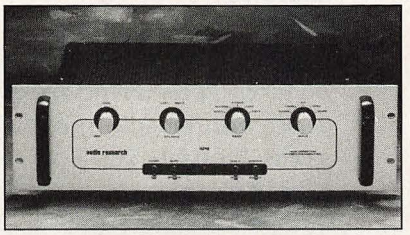
AUDIO DYNAMICS

C200 Preamplfier
Audio/video preamplifier with built-in Dolby and matrix surround-sound processors. Features simulated stereo; bass, midrange, and treble tone controls; tone-defeat switch; loudness switch; muting switch; external processor loop; dubbing; separate rec and listening selectors for recording one source while listening to another; inputs for MM/MC phono; tuner; AUX; CD player; video montior; 3 audio or video tape decks; FR 10-50,000 Hz +0, -3 dB (line level), 20-20,000 Hz ±0.25 dB (phono). 4.0 x 11.75 x 12.62 in..... $599

AUDIO RESEARCH

SP-11MKII Stereo Hybrid Preamp
High-Definition. preamp with both vacuum tubes and field effect transistors. Inputs for MM phono/MC phono; tape; tape 2; aux; CD player; tuner; video. Features auto muting for warm-up, brown-out, powerline interruption; manual muting; bypass switch for audiophile-quality program material; absolute phase switch; level control; toroidal power transformer. FR 0.1->200,000 Hz ±3 dB; S/N 110 dB; THD <0.005%; MM phono sens 0.088 mV for 0.5 V output at 1,000 Hz; MM phono input overload level 350 mV at 1,000 Hz; sens for line-level inputs 18 mV. 46 lb; 5.25 x 19 x 10.25-in..... $4,995

SP9 Hybrid Stereo Preamp
On-board power supply; auto mute circuit for warmup, voltage drop; switchable muting; 2 tape inputs, 2 tape outputs; 2-position tape-monitor switching; gold-plated input/output jacks connect ground before hot, disconnect hot before ground; shielded toroidal power transformer; internally adjustable phono-section imp; 2 6DJ8 vacuum tubes (1 in phono stage, 1 in line stage); compatible with many MC cartridges; black front panel extra. FR (high level, ±0.5 dB) 5-50,000 Hz; magnetic phono, ±0.3 dB of RIAA, 30-40,000 Hz; max output 2 V rms; distortion <0.01% at 2 V rms out; input imp 50k ohms (all high level);



phono 47k ohms (changeable). 5.25 x 19 x 10.25-in; 13 lb net, 22 lb shipping weight $1,695

MCP33 Vacuum-Tube Preamp
Preamp for low-output MC cartridges. Features front-panel gain and imp selectors. FR 20-50,000 Hz ±1 dB; max output 10 V; THD 0.005% at 100 mV; IMD 0.01% at 100 mV; 5.25 x 19 x 12.38-in; 14 lb..... $1,395

SP-7 Solid-State Stereo Preamp
With Analog Module technology. Inputs for MM phono; tape; aux; tuner; aux 2. Features manual and auto muting; close-tolerance segmented gain control; front-panel receptacle switch that operates 3 relay-controlled outlets with 1,600-W capacity; low-surge turn-on circuitry; isolated ground construction that floats all inputs and outputs; rejection filters for low RFI, TVI, CB interference. FR 1-50,000 Hz ±0.25 dB high-level, 10-40,000 Hz phono; THD and IMD <10.002% at 2 V rms; MM sens 0.5 mV for 0.5 V output at 1,000 Hz; gain phono/high-level to main outputs 60/26 dB; input/output imp 50k/250 ohms; phono overload 500 mV at 1 kHz; output level 2 V rms; noise high-level/phono 250/2 μV; 3.5 x 19 x 8.5; 20 lb shipping weight..... $995

AUDIO BY VAN ALSTINE

Transcendence Fet-Valve Preamplifier
Class-A compound hybrid construction preamp. Features toroidal power transformer; regulated power supply; power bandwidth >800,000 Hz; RIAA phono inputs; 2 sets of tape inputs with tape-to-tape monitoring; 3 sets of line-level inputs for digital and analog sources; EPL inputs and outputs; precision volume and balance controls; separate bass and treble tone controls for each channel; two pairs of audio outputs; amp-driven headphone jack; 200 W rated speaker selector switch. 13.5 x 12.5 x 4.5 in; 11 lb..... $1,195

Fet Three Plus Preamplifier
Features dual phono, dual tape and two additional high-level inputs; tape-to-tape monitoring; precision volume and balance controls; bass and trebel controls; two audio outputs; headphone jack; EPL loop; audio circuits use fast FET op-amps with hybrid current amps; THD <0.003%. Available at lower price in simpler chassis. 17 x 9 . 3 in; 13 lb..... $795

Super Pas Three Preamplifier
Vacuum-tube preamp. Features precision volume

and balance controls; RIAA equalization; phono and 3 or 5 line-level inputs; tape monitoring capability. 13.5 x 9 x 4.5 in; 9 lb. Factory wired $595
Kit $200

Fet Three Preamplifier
Features linear fast FET op-amp circuits; tight-tracking volume and balance controls; balanced tone controls; matched phono circuits; tuner, tape, and AUX inputs; 2 switched AC outlets. 13.5 x 8.5 x 3 in; 7 lb $340

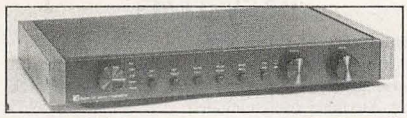
BEDINI AMPLIFIERS

BC-800 Class A Preamplifier
Class A flat preamp with inputs for 2 tapes, CD, DAT, tuner, phono; volume and balance controls; FR 1-110,000 Hz +0, -3 dB; THD <.1%; IMD< .03%; RIAA phono deviation 10-30,000 Hz ±.25 dB; S/N phono to rec out -100 dB/line to pre out -110 dB; 5 x 19 x 13.88-in; 12 lb $1,495

BC-866 Class A Preamplifier
Class A flat preamp with inputs for phono, tuner, tape, CD, AUX; balance and volume controls; FR 1-110,000 Hz +0, -3 dB; THD<.15%; IMD<.05%; RIAA phono deviation 20-25,000 Hz ±.25 dB; S/N phono to rec out -90 dB/line to pre out -100 dB; 3 x 19 x 8.5-in; 9 lb $695

BELLES RESEARCH

BELLES 50 Stereo Preamplifier
Solid-state preamp with user flexibility of functions. Features discrete MOSFET bipolar hybrid circuitry; class A direct coupled outputs; van den Hul wiring;



unregulated high energy power supply; 30 VA torodial transformer;defeatable subsonic filter; two way tape dubbing flexibility; inputs for phono low level and high level; tuner, CD player, video AUX, tape 1, tape 2; FR 20-20,000 Hz ±.1 dB; S/N 86 dB; THD .05%; 11 lb; 2 x 17 x 10-in $895

THE DAVID BERNING COMPANY

TF-12 Preamplifier
Dual-mono tube preamp with differential triode design. Features digitally controlled switching matrix (1-dB steps over 80-dB range) for volume and balance functons to avoid colorations; LED dot-matrix displays relative levels of both channels in dBs; high-frequency resonant power supply; wireless remote control of volume, balance, and mute; high-gain line section (32 dB). Inputs for MM phono; MC phono; tape; AUX; CD player; tuner; video. FR 5-100,000 Hz ±3 dB; MM phono sens 0.38 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 32 mV . $2,950

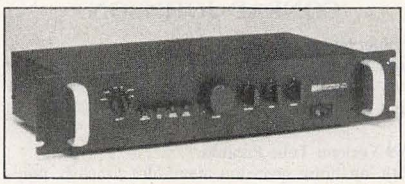
B&K COMPONENTS

Sonata Series MC-101 Preamplifier
MM/MC switchable preamp. FR 1-150,000 Hz -0, -5 dB; THD 0.02%; 2 tape loops; 2 tone controls; MM sens .8 mV; MM S/N 80 dB; MC S/N 80 dB; Tiffany connectors; optional balanced output..... $898

Pro-10MC Preamplifier
Preamp with built-in MC stage. Inputs for MM phono, MC phono, tape, AUX, CD player, tuner. FR 1-100,000 Hz ±3 dB; max output 6 V; THD 0.01%; IMD 0.01% IHF; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 100 mV, sens for line-level inputs 0.450 mV. 3.5 x 19 x 10-in; 12 lb$648

Pro-10 Preamplifier
Preamp with separate power supply and gold-plated connectors for positive contact and reliability. Inputs for MM phono, tape, AUX, CD player, video, tuner. FR 1-100,000 Hz ±3 dB; max output 6 V; THD 0.01%; IMD 0.01% IHF; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 100 mV, sens for line-level inputs 0.450 mV. 3.5 x 19 x 10-in..... $598

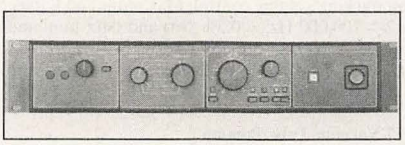
Pro-5 Preamplifier
Preamp features 5 high-level inputs; 1 phono stage with 57 dB gain; balance, volume, bass, treble controls; gold-plated RCA connectors; moving-coil



capacity. Inputs for MM phono, tape, AUX, CD player, tuner, video. FR 1-100,000 Hz ±3 dB; S/N 100 dB; MM phono sens 0.7 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 105 mV at 1,000 Hz; sens for line-level inputs 0.636 mV. 3.5 x 19 x 10-in; 12 lb $398

BOULDER AMPLIFIERS

Modular Preamp System
Each module has gold-plated connectors, uses common power supply and measures 4.2 x 3.5 x 14.25 in.
MS10. Phono preamp module does RIAA EQ and gain; 2 990 amps/ch; gain adjust; inputs for high-level MC and MM; max gain 46 dB; optional input for low-level MC's has 20-dB gain; RCA inputs standard, 3-pin optional; unbalanced RCA outputs; solid-state balanced output for pro use..... $838
MS11. As above with triple F switchable Bessel 3-



pole low-cut filter at 10, 20, or 30 Hz..... $986
Options for MS11
3-Pin Connectors. For unbalanced feet to balanced input (in addition to RCA connections)..... $44
Solid-State Balanced Output. Inverting BA990's, 3-pin connectors $336
Solid-State MC Input. Bridging, with 20-dB gain $253
Transformer MC Input. With Jensen MC transformers $489
MS21. Selector-switch module with inputs for phono, CD, tuner, tape 1 and 2, AUX; dubs between decks..... $449
MS31. Output-controller module sets volume and balance, switches stereo/mono, normal/reverse image, and mute (−20 dB); unbalanced output; RCA type and 3-pin connectors. Optional balanced output..... $652
MS32. Similar to MS31 except adds high-imp buffered inputs, Penny & Giles volume control, individual-ch polarity switches. Optional balanced input and/or output..... $1,191
Solid-state balanced output adds inverting BA990's..... $292
Transformer balanced output $489
MS01. Power supply module for up to 4 of above modules; bidirectional tracking voltages; toroidal power transformers; oversize heatsinks; current limiting; LED indicates power or unregulated voltage..... $518
CP02. Short power cable (1 needed for each module) $25
CP06. Long power cable (1 needed for remoting phono preamp)..... $30
MF01. Mainframe houses 1 of above modules $155
MF02. Mainframe houses 2 of above modules. Half rack size $163
MF04. Mainframe houses 4 of above modules. Full rack size with removable rack-mount ears.... $211
MS00. Blank module panel for covering unused slots..... $55
CA06. 6-ft pair interconnects for connecting phono preamp remotely $69
CA01. 8″ pair of gold-plated RCA interconnects for connecting modules in frame $49
Price varies with options: complete system with MS10, MS21, MS31, MS01, MF04, CP02, and CA01..... $2,841

BRYSTON

12B Preamplifier
Control preamp can play 1 source while taping or remoting another. Features stereo/mono/mute switch; 14-V headroom. Inputs for MM phono, MC phono, tape, tape 2, CD player, tuner; video. S/N -84 dB; THD 0.005%; 1.75 x 19 x 11-in $1,595
11B. Second MM input instead of MC input . $1,175

.5B Preamplifier
Basic preamp with inputs for MM phono, tape, CD player, tuner. FR 20-20,000 Hz ±0.1 dB; max output 14 V; THD 0.005%; IMD 0.005% IHF; 1.75 x 19 x 9-in; 9 lb..... $650

CAMBRIDGE AUDIO

C75 Preamplifier
Inputs for MM/MC phono (switchable), tape, tape 2. Features dubbing capabilities; straight-line design; solid-wood end panels. FR flat within 0.1 db 20-80,000 Hz; THD 0.005% 20-20,000 Hz; max output 12 V; MM input 2.6 mV at 47 kilohms; MC input 0.3 mV at 47 kilohms; S/N MM 82 dB, line 96 dB..... $698

C50 Preamplifier
Connections for 4 input sources plus tape. Features passive tone controls with tone bypass switch and two outputs, one being a passive direct output after the volume control and the other a normal output.MM or MC switchable phono inputs with discrete circuitry. Segmented passive RIAA EQ. THD 0.005%. Sold only as a combination with the A50 power amp, combination price $999

CARVER

4000-t Sonic Holography Preamplifier
With Sonic Hologram Generator designed to recreate 3-dimensional sound field of recording site and locate instruments precisely in space. Features MC preamp; surround-sound decoder; Digital Time Lens; Auto Correlator NR; L and R bass and treble controls with turnover frequency switches, tone defeat; cartridge matching; 2-way tape dubbing, monitoring; external signal processor input; infrasonic filter. NR 20 dB (20-200 Hz), 10 dB (2,000-20,000 Hz); Sonic Hologram image resolution 5x horizontally, 20x vertically $1,220

C-1 Sonic Holography Preamplifier
Features Sonic Hologram Generator; separate L and R bass and treble controls, tone defeat; MC phono input; 18 dB/octave infrasonic filter; tape/source monitor with 2-way tape-dubbing; provision for external processor..... $610

C-2 MM/MC Preamplifier
Switchable input for MM or MC cartridges; infrasonic filter (18 dB/octave below 20 Hz); bass and treble controls; tone control bypass; 2 tape inputs; provision for 2-way dubbing; AUX input; external processor loop; mode switch; rear-panel jack for high-level gain (choice of 15 or 25 dB); anodized aluminum dark pewter front panel $450

CELLO

1003-00 Encore Preamp
Features universal phono section; gain 36 dB, 46 dB, 60 dB; loading 49k, 10k/220pF, 1k/.02pF; balanced

line input (optional); 8 single-ended line inputs; buffered tape outputs; balanced line out plus 2 single-ended line outputs; choke input power supply; phase switch; 2 tape monitors $5,000

Audio Suite
Open-architecture mainframe accepts up to 10 slide-in vertical modules for phono, tape, CD, video, DAT, and tuner inputs; houses pro modules including mic preamp/mixers, tape head recording and mastering amplification, upcoming digital-to-analog convertors, monitor amps for headphones or speakers. Can control multi-room and multi-media systems.
Mainframe chassis $1,575
P101 MC phono input module $3,150
P100 MM phono input module $1,785
P100 high-gain MM phono input module .. $1,785
P200 tape input module $1,050
P200 CD input module $1,050
P200 tuner input module $1,050
P200 aux input module $1,050
P200 video input module $1,050
B301 output module $1,050
B100 MM phono input module $1,050
B201 Camac line input module $735
B200 RCA line input module $630
P301 output module $3,000
P200 DAT input module $1,050

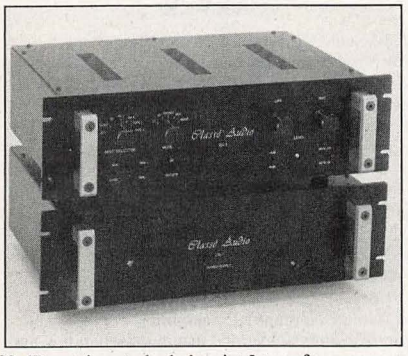
Accessories
Blank bay assembly $63
Blank front plates $42
Blank rear plates $21

Etude Control Unit
4 inputs for sources such as CD players, tuners, tape, and video; 59-position volume control. $1,000

Master Supply
120 V AC $2,250

CLASSE AUDIO

DR-7 Preamplifier
Preamplifier features FR 20-20,000 Hz ±0.2 dB; max output 8 V; THD 0.01%; balanced inputs/outputs; sens 50 mV; 2 tape & processor loops; MM & MCS/N



80 dB; MC input; dual chassis; 5-transformer power supply $4,895

DR-5 Preamplifier
Preamplifier features FR 20-20,000 Hz ±0.2 dB; max output 8 V; THD 0.01%; balanced inputs/outputs; sens 50 mV; 1 tape; polarity inverter optional; MM & MC S/N 80 dB; MC input; direct phono bypass; regular or balanced output stages $1,995

CONVERGENT AUDIO TECHNOLOGY

SL-1 Reference Preamplifier
Preamplifier with all-vacuum-tube design. Features 12 separate regulators, with 1 for each stage; adjustable loading; external power supply; switched metal film resistors for volume and balance controls. Inputs for MM phono; MC phono; tape; aux; CD player; tuner; video. FR 0.1-1,000 Hz ±3 dB; S/N 90 dB; sep 90 dB; THD 0.0005%; MM phono sens 0.125 mV for 0.5 V output at 1,000 Hz; MM phono input overload level 250 mV at 1,000 Hz; sens for line-level inputs 25 mV; 28 lb; 19 x 5.24 x 12.5 in $3,900
SL-2 Preamplifier. Same as above except single-chassis version; 20 lb $1,995
SL-2L Preamplifier. Same as SL-2 except there is no phono stage $1,695

CONRAD-JOHNSON

Premier Seven Preamp
Vacuum-tube preamp with FR2-100,000 Hz and .25% THD. Two tape processor loops and moving coil input $7,850

PV9 Vacuum-Tube Preamp
With low-noise precision metal-film resistors; polystyrene capacitors in audio circuitry; facilities for 2 tape recorders; 2-way dubbing; phono, tuner, AUX inputs; 2 amp outputs; front-panel mute control. FR 20-20,000 Hz ±0.25 dB phono; S/N 70 dB below 10 mV phono, 84 dB below 2.5 V output high level; THD and IMD 0.05%; gain 40 dB phono, 29 dB high level; max output 25 V; phono overload 500 mV at 1 kHz; 4.75 x 14 x 11.25-in $2,950

PV8 Vacuum-Tube Preamp
With cathode follower outputs and solid-state voltage regulator designed for minimal AC imp; regulated filament supplies virtually eliminate infrasonic noise resulting from AC line fluctuations. Features 1% tolerance mil-spec deposited tin-oxide audio circuit resistors; audio circuit capacitors are polystyrene dielectric; volume control tracks within 0.5 dB; auto muting at turn-on, turn-off; 2 tape recorder loops with 2-way dubbing; 5-function mode switch; precision tracking volume control. Max output 40 V RMS; FR 2->100,000 Hz; <0.5% THD and IMD; hum and noise 20-20,000 Hz, phono 72 dB below 10 mV input, high level 84 dB below 2.5 V output; output imp <200 ohms; 10 x 16 x 3.75-in.; 15 lb $1,685

PV7 Vacuum-Tube Preamp
Stereo preamp with low-noise metal film resistors, polypropylene and polystyrene capacitors in audio circuitry, 2-deck tape monitoring with 2-way dubbing; inputs for phono, tuner, tape, AUX; 2 amp outputs. FR 20-20,000 Hz ±0.25 dB phono; S/N 70 dB below 10 mV in phono, 84 dB below 2.5 V out high-level; THD and IMD 0.05%; gain 35 dB phono, 28 dB high-level; max output 25 V; phono overload 500 mV at kHz; 4.75 x 14 x 11.25-in. $695
PV7 MC-Same as above with moving coil input $810

COUNTERPOINT

SA-11 Line-Level Control Amplifier
Full-featured line-level control center includes industrial-grade stepper motors to control 2 massive custom-built 41-posion attenuators. Features full vacuum-tube power supply and audio circuitry; wireless hand-held remote control; Isolinear design for max isolation and extreme linearity. Inputs for tape; tape 2; aux; CD player; tuner; video. 6.7 x 19 x 19 in; 70 lb $5,495

SA-9 Phono Equalizer/Preamplifier
Full-vacuum-tube phono-cartridge preamplification and equalization system with completely independent MC and MM circuits. Isolinear design for max isolation and extreme linearity. Inputd for MM and MC phono. FR 1-350,000 Hz ±3 dB. 4.5 x 19 x 12.5-in; 25 lb $3,995
SA-9/11 Combo. Features, functions, and inputs of SA-9 and 11 combined $9,490

SA-5.1 Preamplifier
Preamp with inputs for MM phono, MC phono, tape, tape 2, AUX, CD player, tuner. FR 0.5-88,000 Hz ±0.1 dB; max output 70 V; THD 0.08%; IMD 0.08% IHF; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 700 mV; 2.03 x 19 x 17.03-in; 24 lb $1,895

SA-3.1 Preamplifier
Preamp with inputs for MM phono, MC phono, tape, tape 2, AUX, CD player, tuner. FR 2.5-30,000 Hz ±0.1 dB; max output 70 V; THD 0.18%; IMD 0.18% IHF; MM phono sens 2.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 800 mV; 2.03 x 19 x 17.33-in; 18 lb $1,045

SA-2 Preamplifier
Preamp with inputs for MC phono. FR 0.5-350,000 Hz; max output 38 V; 2.03 x 19 x 17.03-in; 18 lb $1,045

SA-1000 Preamplifier
Preamp with inputs for MM phono, MC phono, tape, CD player, tuner. FR 2-30,000 Hz ±0.1 dB; max output 30 V; THD 0.25%; IMD 0.3% IHF; MM phono sens 0.8 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 500 mV; 2.23 x 19 x 7.1-in; 13 lb $745

CROWN

PSL-2 Preamplifier
Features seven inputs; versatile tape copying; seven-second turn-on; power switch; tape 1 and 2 monitor switch; detented treble and bass controls; center-detented output balance control; loudness switch; black polyester vinyl coated aluminum with black splatter coated steel; aluminum chassis; FR 10-50,000 Hz ±0.25 dB; THD <0.0025% at rated output; 19.0 x 1.75 x 11.5 in; 11 lb $595

DB SYSTEMS

DBR-15B & 2A Preamplifier
Rack-mount precision pream and tone control with power supply. Combines DB-1B, DB-5 in a 19″ rack unit. Auxiliary cable included $935
With oak cabinet $1,085

DB-1A & 2A Preamplifier
Stereo preamp with separate DB-2A regulated power supply. THD ±0.0008%, 20-20,000 Hz; IMD ±0.001%; FR phono 10-40,000 Hz ±0.07 dB, high-level 2-50,000 Hz +0/−1 dB; S/N A-wtd 89 dB phono, 90 dB line; filters: low-cut flat, 20 Hz, 36 Hz at 6 dB/octave phono only, high-cut flat, 5 kHz, 10,000 Hz at 6 dB/octave; output imp 1 kilohm; max output voltage 6 V into 10 kilohms/3,000 pF; input sens for 1 V output: phono 2 mV into 50,000 ohms/100 pF, high-level 120 mV into 50 kilohms; 8.5 x 7 x 3.2 in $495
DB-1B & 2A. DB-1A with low-noise high-level stage (−94 dB ref 1 V), reduced crosstalk, tight tracking volume control, all gold-plated jacks and solid oak cabinet with hand-rubbed tung-oil finish. 12 x 3.6 x 7 in $650
DBR-1A. Same as DB-1A except mounted on 19″ rack. Includes DB-2 A power supply $535
DB-1A-HL & DB-2A. Preamplifier similar to DB-1A with 5 high-level inputs and no phono section. FR 1-250,000 Hz ±3 dB; S/N 92 dB; THD 0.0006%; sens for line-level inputs 120 mV $375
DB-1B-HL & DB-2A. Preamplifier similar to DB-1A-HL with lower noise (−94 dB ref 1 V); reduced crosstalk; tight tracking volume control; loudness compensation switch; gold-plated jacks; cabinet made of solid oak with hand-rubbed and buffed tung-oil finish $530

dbx

CX1 Preamplifier
Audio/video preamp with 2-channel switchable all-digital delay for ambience recovery. The built-in Dolby Pro Logic surround system has a 5-ch calibration signal and input-level adjustments for precise setup. Inputs for MM and MC phono, tuner, CD player, VCR, AUX, and 3 tape decks or 2 tape decks

and 1 VCR (with video). Outputs for front L&R and side/rear stereo or Dolby Surround with center ch, 3 stereo-to-tape jacks, and a video-signal montior. Features stereo audio external-processor loop; audio/video dubbing; independent recording and listening selectors; switchable tone controls (conventional bass/treble curves or low-bass only/spectral tilt); switchable infrasonic and high filter for all sources; precision-tracking 5-ch volume control; ch-mode controls for L/R stereo, RL reverse, L or R only, L+R mono, and L-R positions; headphone jack; anti-resonance chassis and aluminum feet.. $2,500

DENNESEN ELECTROSTATICS

JC-80 Preamplifier
Dual mono, all FET, DC-coupled, fully complementary, push-pull, A preamp. No interstage coupling caps; feedback input stage; virtually unslewable; passive RIAA; each stage separately regulated. Completely mono, invertable phase. MM phono, MC phono, tape 1, tape 2, AUX. FR 1-15,000 Hz ±0.1 dB; max output 20 V; THD 0.005%; IMD 0.005%; MM phono sens variable mV for 0.5 output at 1,000 Hz; MM phono input overload level 350 μV; 19 x 1.75 x 12 in; 10 lb..... $2,250 ea

Sirius Preamplifier
Full-featured straight-line preamp with split passive RIAA and FET input. Inputs for MM phono, tape, tape 2, AUX. FR 5-100,000 Hz ±0.1 dB; max output 10 V; THD 0.01%; IMD 0.01%; MM phono sens 2.5 mV of 0.5 V output at 1,000 Hz; MM phono input overload level 200 mV; sens for line level inputs 125 μV. 19 x 2 x 8 in; 7 lb..... $489
Sirius II. Dual mono; external power supply.. $650

DENON

DAP-5500 Digital Preamplifier
Preamplifier with built-in D/A converter. Digital section features 4 D/A push-pull Super Linear Converter system; separate digital and analog chassis; 3 digital inputs (one optical, 2 coaxial); coaxial digital tape-monitor loop; four-times-oversampling digital filter; optical isolators between digital and analog sections; D/A converter output jacks. Audio section features Unity Gain Interface amplifier; Cannon-type input/output; 2 RCA line-in; 1 RCA line out; front-panel mounted RCA input/output jacks; two tape loops; source direct switch; separate power supplies for digital and analog sections; nonresonant, vibration-resistant chassis. 5.2 x 17.09 x 15-in$1,500

PRA-1200 Stereo Preamplifier
Stereo preamp with video inputs and switching facility. 8 audio inputs; headphone amplifier; variable loudness control; MM & MC phono. THD <0.001%; S/N MC 79 dB, MM 96 dB; FR 1-300,000 Hz +0.2 dB -3 dB;S/N 105 dB; 4.8 x 17.08 x 11.81 in; 11 lb..... $475

DISCRETE TECHNOLOGY

Compact Pro-Reference Preamplifier
Solid-state preamp. Features aluminum rack-mountable enclosure; high-current power supply; volume and power controls; designed to be matched with one of 3 different amplifier modules; direct-coupled circuit; switchable cartridge loading; switchable gain; Distech cable; modular construction; low imp main outputs.
With MC Amplifier..... $2,995
With Phono Amplifier Module..... $2,495
With Line Amplifier Module..... $1,895

ELECTROCOMPANIET BY MUSIC AND SOUND IMPORTS

Electrocompaniet preamps feature FR 5-100,000 Hz ±0.5 dB; max output 15 V; MM phono S/N 84 dB; high-level sens 100 mV; no tone controls; balance and volume only; MM input imp 47 kilohms; external power supplies.

EC-1 Preamp. Includes MC, MM phono, 2 tape processor loops, tuner and inverts phase. Approx..... $1,995
PreIIA. As above except no MC phono and no phase inverting. Approx..... $1,395

FORTE AUDIO

Model 2 Class A Preamplifier
Dual-channel, non-inverting hybrid topology, low-noise, matched integrated gain devices enhanced with discrete pure class A biasing, active constant-current sourcing, and imp buffering. Accepts input from high and low output MC and MM cartridges; 4 high-level sources and tape recorder. Record/monitor facilities for recorder allow listening to one source while recording another. internal selection of mip and capacitive cartridge loading. External power supply in separate chassis; gold-plated signal connectors; glass-epoxy circuit boards. Dist <0.02% at 3 V; noise <−100 dBA referenced to 1 V input; gain +20 dB; imp 25,000 ohm; 19 x 1.75 x 7 in $790

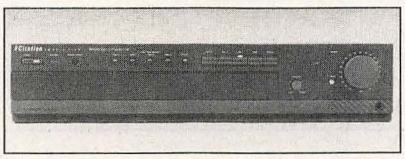
HAFLER

DH-110 Discrete Preamplifier
Preamplifier operates all discrete devices (no integrated circuits in signal path) in full symmetry format. Controls: volume, balance, bass, treble, input selector, phono selector, monitor selector, mono/stereo, high-pass filter; external processor loop, tone control engage. Features rack-mounting capability; single active circuit board; step-action volume control; integral muting circuit; 2 pairs of audio outputs; low-imp power supply; full power bandwidth to 200,000 Hz; 2 phono, tuner, AUX, 2 tape deck, EPL inputs; 2 tape (buffered), 2 line, EPL outputs; headphone jack. THD <0.0006% at 1,000 Hz, 3 V RMS; phono input FR 20-20,000 Hz +0/-0.25 dB; S/N weighted 87 dB; rated output 3 V rms, 4-210,000 Hz; THD <0.001% 20-20,000 Hz; 17 x 3 x 8.5 in; 10 lb; Assembled..... $500
Kit...... $425

DH-100 Preamplifier Series 2
"No frills" preamp with RIAA EQ utilizing 1%-tolerance components; low-imp power supply; power on delay circuit; Inputs for MM phono, tape, AUX, tuner. Features volume, balance, treble, bass, tape monitor, power controls; 2 switched outlets. FR 20-20,000 Hz ±0.25 dB; max output 8 V; THD <0.005%; IMD below residual noise of current test instruments; MM phono sens 10 mV for 0.5-V output; 13.5 x 3 x 9 in; 7 lb. Assembled..... $275
Kit...... $225

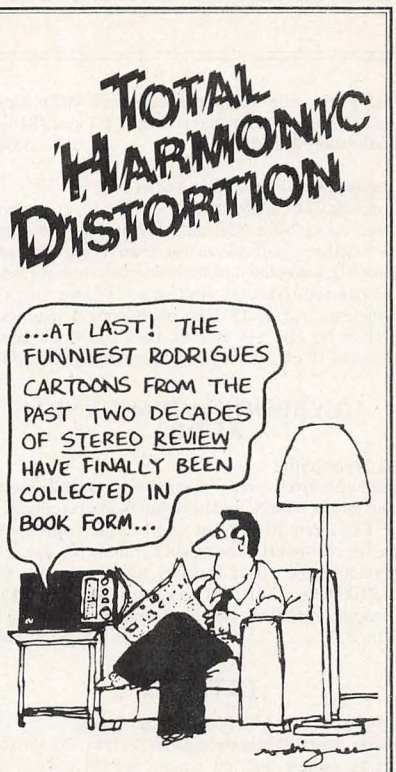
HARMAN KARDON

Citation Twenty-Five Preamplifier
Preamplifier with remote control. Features inputs for CD, A/V 1, A/V 2, tape 1, tape 2, VCR 1, VCR 2, and phono; passive equalization in open-loop mode; moving coil head amp with resistance trim; moving magnet capacitance trim; hi-cut filter; subsonic filter; switchable bass and treble turnover; tone defeat; mono switch; headphone jack. Frequency response



25-250,000 Hz; total harmonic distortion .002%; slew rate 120 V/μsec; estimated rise time 1.4 μsec; RIAA equalization ±0.2dB; $849

Citation Twenty-One Preamplifier
nputs for CD, CD direct, video sound, tuner, phono, 2 tape decks; ultrawideband fully discrete circuitry; switch for mono operation; front-panel headphone jack with adjustable level; frequency response 25-



Yes, now you can own ***TOTAL HARMONIC DISTORTION*** by Charles Rodrigues!

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250,000 Hz; total harmonic distortion .002%; slew rate 120 V/μsec; estimated rise time 1.4 μsec; RIAA equalization ±0.2dB; $849

Citation Twenty-One Preamplifier
Inputs for CD, CD direct, video sound, tuner, phono, 2 tape decks; ultrawideband fully discrete circuitry; low negative feedback; active/passive symmetrical RIAA EQ; gold-plated jacks; mono switch; low-noise transistors; discrete MC head amp; subsonic filter (6 dB/octave, <3 at 15 Hz); phase-correct loudness (+10 at 50 Hz, +3 at 250); bass and treble max boost/cut 10 dB; tone defeat. Max output 10 V $599

HEYBROOK BY D'ASCANIO AUDIO

C-2 Preamp'ifier
Hand-assembled preamplifier with versatile input selections and black finish. Features special circuitry for CD input to prevent overloading; aluminum chassis; rear-panel power switch. Inputs for MM and MC phono, tape, AUX, CD player, tuner, and video. FR 10-50,000 Hz ±3 dB; MM phono sens 85 mV for 0.5-V output at 1,000 Hz; line-level sens 160 mV. 17 x 3 x 13 in; 8 lb $898

HITACHI

HPT120AVSW AM/FM Preamp/Tuner
Quartz digital-synthesized tuner section; 20 AM/FM presets; unified infrared remote control with LCD display; audio inputs for phono, CD, tape; video inputs for TV, VCR, videodisc player; electronic volume and balance controls; 5-band graphic equalizer; video signal enhancer; rosewood end caps . $450

JADIS BY MADRIGAL

JP-80 2-Part Tube Preamplifier
2 separate chassis (preamp and power supply). Uses no directly-delivered voltages to avoid noise generated by main input voltage. High voltage generated by custom-built oscillator circuit and amp. Inputs for MM phono; tape; aux. S/N 46-60 dB; MM phono sens 5 mV for 0.5-V output at 1,000 Hz. 48.5 lb. $9,750

JRM

Preamp
Moving-coil input preamplifier with 2 tape and processor loops features optional tone controls; 10 V max output; THD 0.01%; FR 0-50,000 Hz +0, -1 dB $450/pr

KENWOOD

Basic C2 Preamplifier
Preamp with 2-step MM and 3-step MC inputs. Features single NFB-loop phono equalizer amplifier; 2-way tape dubbing with monitoring; source (rec out) tape selector; 2 AUX/video inputs; Kenwood NF-CR tone controls with selectable turnover; Super-coupled volume control for low noise at low volume; 4-way filter system; loudness switch; mono/stereo switch; headphone jack with level control; output on/off switch; power and output LED indicators. Frequency response 1-350,000 Hz -0.3 dB; THD 0.002% phono, 0.001% line; input sens/imp MM 2.5 mV/47 kilohms, line 150 mV/47 kilohms; signal-to-noise ratio 110 dB; MM 88 dB; 17.31 x 3.06 x 12.63 inches; 9.9 pounds $310

Basic C1 Preamplifier
Features CD/AUX input; MM/MC cartridge selector; advanced single NFB loop phono equalizer amplifier; 2 tape inputs with dubbing and monitoring; subsonic filter; continuously variable loudness control; Kenwood NF-CR tone controls; LED input indicators; power-on muting relay. Frequency response 1-250,000 Hz -0.3 dB; total harmonic distortion 0.005% phono, 0.004% line; input sens/imp MM 2.5/47 kilohms, line 150 mV/47 kilohms; S/N 108 dB $240

KC-206 Audio/Video Preamplifier
Audio/video preamp with unified remote control. Features 7-band graphic equalizer; CD input; 2 video sound inputs; 2-way tape dubbing with monitor; FL display; EQ recording switch; subsonic filter; auto-function selector system (main/remote). FR 10-70,000 Hz -3 dB; input sens/imp 150 mV/33 kilohms (line), 2.5 mV/47 kilohms (phono); S/N 103 dB (line), 79 dB (phono). 16.56 x 3.5 x 10.75 in; 6.6 lb. . $230

KINERGETICS

KPA-1 Preamplifier
Designed to eliminate hysteresis distortion; MC phono, MM phono inputs, 2 tape loops; remote power supply; adjustable imp and capacitance for phono inputs; polarity switch. FR 2-500,000 Hz; slew rate >20 V/μsec; gain 60 dB; 20 lb; 19 x 2.5 x 16.25 in $795

KLYNE AUDIO ARTS

SK-5A Preamplifier
Full-function stereo preamplifier with ultra-low distortion and high-resolution design. Features control to invert absolute phase; balanced differential outputs. Inputs for tuner; CD/AUX; tape; MM/MC phono; output imp 600 ohms; input imp phono 0-47,000 ohms. 2.5 x 19.0 x 12.5 in; 12 lb..... $3,250
SK-4A. As above, straight-line version without line amps, phase inversion switch, or mode switch $2,450
With optional line amps installed..... $2,695

SK-6 Preamplifier
Full-function stereo preamplifier with low distortion and high-resolution design. Features six high level inputs with optional uiser installable MM/MC phono board; independent listen and rec circuitry; inputs for phono/AUX, CD, tuner, tape 1, tape 2, and video/AUX; output imp 300 ohms; input imp phono 0-47K ohms. 2.5 x 19.0 x 11.5 in; 10 lb..... $1,450
With optional phono board..... $1,950

LAZARUS ELECTRONICS

Cascade Deluxe Preamplifier
Hybrid preamplifier with vacuum tubes and FET's. Features MC output; 6 inputs; full switching capability; auto muting; front panel mute; power switching; tiffany connectors for phono, CD and main outputs; slim line chassis; black, fully anodized aluminum chassis; 74 dB gain; switchable phono loading $1,200

Cascade Classic Preamplifier
Vacuum tube preamp. Features 6 inputs; auto muting; font panel mute and power switching; 50 dB gain; 47k input impedance $950

MC-1 Pre-Preamplifier
Moving coil step-up pre-preamplifier. For using low output MC cartridges with tubes; 28 dB gain; 150 ohm preset loading; adjustable phono load..... $650

Cascade Basic Preamplifier
Tube preamp with inputs for MM phono; tape; tuner. FR 10-32,000 Hz ±3 dB; S/N 90 dB; THD 1.2%; MM phono sens 1.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level >250 mV at 1,000 Hz; line-level sens inputs 50 mV $650

LINN PRODUCTS

LK1 Remote-Controlled Preamp
Stereo microprocessor preamp with independently



adjustable input-level matching; all switching and level adjustments on board are electronic. Input for moving magnet phono; moving cartridge phono input; tape 1 and tape 2 inputs; auxiliary tuner input. 3 x 10.5 x 10.5 in; 9 lb $1,050

LINEAGE

CP 100 Control Preamplifier
Class-A preamp with all-discrete audio circuitry. Features full-complementary direct-coupled wide-bandwidth design using all Field-Effect transistors; DC servo to eliminate all capacitors in signal path except as required for phono equalization; complementary differential inputs; 2-stage phono equalizer; electronic input switching; front-panel phono gain for both MM and MC phonos; rear-panel control with continuously variable resistive cartridge loading; tone controls for low bass and upper treble; tone in, mute, stereo/mono, and polarity invert switches; gold-plated connectors. Inputs for phono; tuner; CD player; video sound source; aux; 2 tape monitors for 2-way dubbing. Rated output 3 V rms; max output 15 V. Includes separate power supply to provide 3 switched AC convenience outlets. Matte silver with removable teak pedestal base. 17 x 12 x 6.36 in(with base) $1,995

LOGAN LABS BY SYMDEX

PA-10B Preamplifier
Electron tube phono-only preamp with separate power supply. Features symmetrical layout for both channels; muting function for no system crash due to power loss; slow turn-on circuitry to prevent thermal shock to tubes. Input for MM phono, for compatible MC the 1010T is required. Frequency response 1-3,000,000 Hz ±3 dB; max output 160 V; total harmonic distortion <0.2%; IMD <0.2%; separate transformer; 19 x 3.5 x 7 in..... $5,495
HLE-1010T. Companion pre-preamplifier for PA-10B $3,495

MARK LEVINSON BY MADRIGAL

ML-6B Modular Preamps
Mono preamps in 2 separate chassis (with separate power supplies) with only essential control functions and connection. L-series open-frame plug-in modules; all audio circuitry completely discrete and operates in Class-A; each chassis has 1 L1 line amp and 1 phono amp module for any cartridge; L1 provides up to 26 dB gain with 0.003% THD typical and 0.002% IMD; S/N 100 dB (unwtd below 2 V reference); gain of L2 phono module 38 or 44 dB; L3 gain 67 dB; L3A gain 55 dB. Phono module THD ±0.008%, IMD 0.005%. PLS-154 power supply maintains load regulation of 0.05% with wideband noise output 18 μV. Camac connectors for all input and output connections; gold-plated cartridge-loading sockets on main circuit board and internal switches to select 10, 20, or 26 dB of line gain. With L2 ..... $7,460/pr
With L3 or L3A $8,250/pr

PRICES LISTED
are manufacturers' suggested retail prices
(also referred to as *list* prices);
actual selling prices are set by individual dealers.
All prices are subject to change without notice.

Every Speaker We Sell Gets Feedback.

COMMENTS THESE SPEAKERS ADD MUCH ENJOYMENT TO MY SEX LIFE.

J.F., Huntington, New York

COMMENTS THE WHOLE BLOCK LOVES THEM!

J.B., Milledgeville, Georgia

COMMENTS THEY LOOK RAD, SOUND RAD AND ARE RAD.

D.S., Allentown, Pennsylvania

COMMENTS EXCEPTIONAL! HEAVY BASS! PINNACLE HIGHS! JAMMIN' SOUND!

J.T., Tulsa, Oklahoma

COMMENTS They sure do vibrate the house. They're great!

C.O., Moline, Illinois

COMMENTS I want to knock down a wall.

M.K., Atlanta, Georgia

COMMENTS I LOVE THE TREE STUMP PULLING BASS!

C.R., El Paso, Texas

COMMENTS God bless you and your wonderful contribution to music!

P.G., Olympia, Washington

COMMENTS I wouldn't buy any other brand, the last ones lasted 15 years.

R.S., Schaumberg, Illinois

COMMENTS Bullet Proof Killer Bass!

R.F., Aberdeen, Washington

COMMENTS I used to listen to my wife, now I listen to my Cerwin-Vega speakers. Thank You!

L.L., Brookeville, Maryland

COMMENTS Boom Boom!

R.K., South Pasadena, California

Our customers have a way with words. In fact, every week we receive hundreds of customer comments. All of which we learn a little something from. And most of which serve as a pretty good indication that Cerwin-Vega speakers will give you great sound, years of service, and maybe even something more.

Writer's cramp.

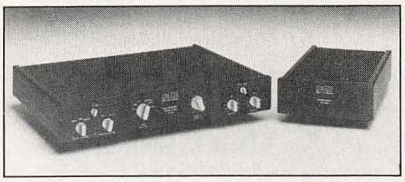
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Cerwin-Vega Canada/2360 Midland Ave., Unit 21, Scarborough, Ontario M1S 4A9 Cerwin-Vega Europe/Grynderupveg 12, P.O. Box 40, DK-9610 Norager, Denmark

CIRCLE NO. 71 ON READER SERVICE CARD

ML-7A Preamplifier
Inputs for 5 line sources, monitors 2 tape decks, with choice of 3 plug-in phono sections for virtually any cartridge. All audio circuitry completely discrete and operates in Class-A mode. Fitted with 2-L1 line amps. PLS-154 power supply maintains load regulation of 0.05% with wideband noise output of 18 μV; external 5-pin self-locking connector parallels. Camac phono inputs for cartridge loading; 10 or 20 dB of line gain. L1 provides up to 26 dB of gain, with 0.003% THD and 0.002% IMD typical, typical S/N of 100 dB unwtd below 2 V ref. Hand-brushed black anodized finish. ML-7: 2.25 x 19 x 10.12 in; PLS-154: 4.36 x 4 x 10.62 in; 14 lb. With no phono section $4,720
With L2 phono module. Gain 38 or 44 dB . $5,725
With L3 or L3A. L3 gain 67 dB; L3A gain 55 dB $6,420

No 26W/High Gain Phono Preamplifier
Matrix style DC switching; relays hermetically sealed, bifurcated contacts of silver with gold plating; 6-line level inputs; CD; tuner; Aux-1; phono/aux-2; tapes 1 & 2; 2-tape inputs; non-buffered tape outputs; absolute phase of main outputs or stereo/mono operation selection on front panel; independently switchable gain for each channel; internal gain adjustment provided through PC mount switches for each



channel providing gain of 6, 12, 18 at the unbalanced ouput or 12, 18, or 24 dB at the balanced output; custom-made Penny and Giles conductive plastic volume potentiometer; dual monaural design with separate circuitry for each channel; PLS-226 chassis contains 3-power supplies, 2 provide unregulated DC current for 2 audio channels and 3rd separately rectifies and filters circuit-supplies power to relay control circuit; 2 custom-made toroidal transformers; Faraday shields reduce AC line-coupled noise; 9 gold-plated contacts for connecting cable; pos, neg, and ground for each audio channel; 4 discrete, fully independent regulators; 3-pin Neutrik XLR connectors; all-aluminum chassis; Preamp 2.8 x 17.5 x 13.1 in; PLS-226 2.8 x 7.6 x 13.1 in; 321 lb $4,750
No 26W/Low Gain Phono. Same as above but with low gain phono..... $4,750
No 26 No Phono. Same as above but without phono $3,990

No 26L-10A Stereo Preamplifier
Simplified version of L-series circuitry in single circuit board configuration. All audio circuitry completely discrete and operates in Class A. Inputs for 2 line sources, monitors tape deck, phono section for virtually any cartridge. Camac connectors. Line section provides up to 22 dB of gain with typical distortion of 0.004% THD and 0.004% IMD and typical S/N of 95 dB unwtd below 2 V reference. Phono section offers selectable gain of 42, 53 or 63 dB. Six internal switches and gold-plated loading sockets allow infinite cartridge-loading capability. Typical distortion for phono circuit are 0.014% IMD and 0.005% IMD and S/N typically −72 dB. Internal power supply with high-speed push-pull regulator; biased for Class A; load regulation of 0.05%; wideband noise output 23 V; 7 or 17 dB line gain. Hand-brushed anodized finish. 2.25 x 19 x 10.12 in $3,325

ML-12A Stereo Preamplifier
For use with ML-11 power amp, or with other power amp if used with PLS-124 power supply (see below). Inputs for MM phono, MC phono, tape, AUX, tuner. Phono section accepts any cartridge, gain 42, 53, or 63 dB and gold-plated sockets for precise cartridge loading. Line-level section gain 4, 9, 13, or 17 dB to match amps, speakers, sources. Gold-plated Camac connectors for inputs and outputs and separate level controls for each section. Hand-engraved black anodized front panel. Phono S/N >75 dB unwtd at 63 dB gain; THD 0.006% and IMD 0.004% SMPTE at 6 V output; S/N <92 dB below 1 V ref $1,600
PLS-124. Optional power supply with separate rectification and filtering for each ch. Ripple 40 mV before regulation in ML-12A..... $455

McINTOSH

C-34V A/V Control Center
A/V control center with Compandor system for controlling sources' dynamic range. Features inputs for laser, tape 1-3, VCR 1/2, TV, tuner, phono; 3 switched, 2 unswitched outlets in rear; provision for 2 sets of speakers; record and listen selectors; built-in 5-band equalizer; master volume control; 38 lb $2,195

C-31V A/V Control Center
A/V control center with wireless IR remote control. Features McIntosh Electronic Precision Ladder Attenuator; 5-band equalizer; adjustable loudness contour; 9 source inputs; switching of 2 VCR's with two-way dubbing; remote-control expandable allowing remote control in two additional listening areas..... $1,895

MELOS AUDIO

MA-222 Hybrid Preamplifier
Dual mono construction; 2 heavy aluminium chassis; zero feedback circuitry; dual toroidal transformers; 10 regulated power supplies; heavy gold plate connectors; inputs for 2-CDs, phono, tuner, 2-Aux; 2 tape monitor loops; 3 main outputs; phase reversal switch; phono gain 65 dB; FR 5-300,000 Hz ±1 dB; imp 20 ohms; maximum overall gain 85 dB $2,895

CD-T Preamplifier
CD-T preamplifier combined with CD-T II compact disc player and a flexible all tube line preamplifier. Features 1 CD input; input for tuner, video aux, aux phono; 2 tape monitor loops; 2 main outputs; 26 dB of gain; max output 26 V; output imp 100 ohms; fully regulated power supplies, toroidal transformer; gold-plated connectors..... $1,895

GK-1+1 Preamplifier
Vacuum-tube preamp with remote power supply and stepped attenuators. 3 selectable MC and MM phono sections; each amplification stage powered by one of nine regulated power supplies; passive RIAA EQ; auto muting circuit protection. FR 2-300,000 Hz ±1 dB; THD 0.07%, 20- 20,000 Hz; S/N 65-85 dB (phono/sens dependent); 19 x 3.5 x 13.25 in; 15 lb (preamp) $1,395

MERIDIAN BY MADRIGAL

201 Control Unit
Multi-room remote capability and ability to play 2 different sources simultaneously in any combination of 14 remote locations. Inputs for MM phono; MC phono; tape 1 & 2; aux; CD player; tuner .. $1,150
209. Remote master control works with 201 and other Meridian 200-series components; controls 8 inputs, volume, and mute $150

THE MOD SQUAD

Line Drive Preamplifier
Passive preamplifier features Noble film potentiometers, Lorlin selector switches; wonder wire; wonder solder; Tiffany connectors and LC/OFC teflon insulated wires; selector for 5 sources; mode selector; mute; tape 1 or 2; balance control; jacks for 2-pair of power amps..... $500

MOTIF BY CONRAD-JOHNSON

MC7 Dual-Mono Preamplifier
Dual-mono all-FET preamp with remote power supply. Features precision-matched field-effect transistors for channel-to-channel balance; exclusive use of polystyrene capacitors throughout audio circuits and power supply regulators. Inputs for MM phono, MC phono, tape, tuner. FR 5-100,000 Hz ±0.5 dB; max output 10 V; THD 0.1%; IMD 0.1% IHF; MM phono sens 0.35 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 150 mV, sens for line-level inputs 50 mV; 3.5 x 19 x 12-in.; 15 lbs..... $3,500

MC8 Stereo Preamplifier
Similar to MC7 except stereo with internal power supply. Inputs for MM phono; MC phono; tape; tape 2; CD player; tuner. FR 5-100,000 Hz ±3 dB; THD 0.1%; MM phono sens 0.35 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 50 mV; MM phono input overload level 150 mV at 1,000 Hz. 3.5 x 19 x 12 in; 15 lb $2,250

MC9 Stereo Preamplifier. Line only preamp $1,295

NAD

1700 Monitor Series Preamp/Tuner
Remote control including motor-driven volume control; semi-parametric tone controls; EPL; bass EQ; 2-way tape-dubbing; 50 dB stereo separation; S/N ratio >80 dB; IF wide/narrow; 14 resets, mixed AM and FM; rack mountable $798

1300 Monitor Series Preamplifier
Features high-resolution phono preamp; bass EQ; null switch to amplify L-R difference signal; low-noise MC pre-preamp; external processor loop; semiparametric tone controls (bass center switchable to 50, 120, or 250 Hz, treble to 3,000, 6,000, 12,000 Hz) with 1.5-octave bandwidth, 12-dB max boost or cut; 2-way tape dubbing; infrasonic filter. Max output 12 V; RIAA response accuracy ±0.3 ..... $498

1240 Preamplifier
Features discrete transistors in phono preamp; inputs for MM or MC phono, CD player, tuner, tape, video, aux 1, aux 2; treble boost or cut max 7 dB at 10,000 Hz, bass boost or cut max 10 dB at 50 Hz; switchable infrasonic filter down 3 dB at 12 Hz at 12 dB/octave; high-current (15 V) headphone amp; bass EQ; 2 outputs; cartridge capacitance loading. RIAA response accuracy ±0.5 dB..... $248

NAKAMICHI

CA-7A Control Amplifier
Preamp with full-system wireless remote control of Nakamichi series 7 or 5 components. Features total isolation of digital and analog sections; isolated ground technology; acoustical fine-tuning system; motor-driven volume control; inputs for MM & MC phono, 2 tape, 2 AUX, tuner, CD; 2 outputs; multi-room remote control with RS-7 remote sensor. Input sens/imp MC (switchable) 40-80-160 μV/100 ohms, MM 2.5 mV/50 kilohms, line 150 mV/12.5 kilohms; THD <0,002%; FR 1-100,000 Hz ±3 dB.... $2,595

CA-5 II Control Amplifier
Features 5 high-level inputs; phono input; copies between 2 tape decks in either direction; recording deck monitors copying procedure; all inputs and 2-sets of output terminals are gold-plated; remote power connector optional (SPC-1 power strip); MM- or MC-cartridge phono input; output level; bass; balance; treble; low-noise FETs; bipolar transistors; multi-regulated isolated ground power supply; max pre-out level 7 V; 1% THD at 20-20,000 Hz; max input level 1,000 Hz; stereo sep 110 dB at 100 Hz CD; FR (tuner/CD/Aux/Tape) 1-100,000 Hz +0/−3 dB $1,095

NIKKO AUDIO

Beta 600 Preamplifier
Two-band parametric equalizer with variable level, variable bandwidth, and selectable frequency turn

over controls. 2-record out selectors; CD direct circuit isolated from other analog circuitry with the shortest signal path as possible; S/N 104 dB; MM/MC selector; 2-output terminals; gold-plated pin jacks; mechanical switches; THD .002%; S/N 100 dB; channel sep Hz 76 dB at 1,000 Hz; 19″ rack mountable with black die-cast aluminum front plates.... $600

Beta 400 Preamplifier
Preamplifier with variable level and variable bandwidth, and selectable frequency turnover controls; CD direct circuit isolated from other analog circuitry with the shortest signal path as possible; S/N 104 dB; MM/MC selector; 2-output terminals; gold-plated pin jacks; mechanical switches; total harmonic distortion .002%; S/N 100 dB; channel sep Hz 76 dB at 1,000 Hz..... $440

NOVA

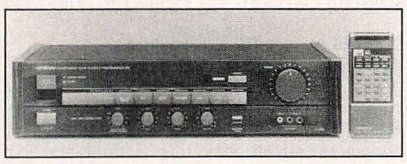
CPA-100A Preamplifier
All-discrete, all-JFET preamplifier with option for MC amp. Inputs for MM, MC phono; tape; tuner; CD player. Max output 12 V; THD 0.01%; IMD 0.01%; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; MM phono input overload level 250 mV; phono gain 34 or 40 dB switchable; line-level sens 98 mV. Black finish with oak side panels. 19 x 4 x 9.5 in; 14 lb.. $1,995
PPA-202. JFET MC head-amp card plugs into CPA-100A. Features selectable input imp; 3 gain settings; MC phono input. High-overload capability allows greater than 1 V rms undistorted output. FR 0.05-1.5 mHz ±3 dB; S/N 71 dB; THD 0.01%. 6.75 x 3 x 1.5 in..... $300

ONKYO

Grand Integra P-308 Preamplifier
Dual-mono preamp with electrically separate left and right circuitry and 2 sets of preamp outputs: output #1 is from precision-paired master volume control using ALPS potentiometers, output #2 includes fines balance adjustment via stepped left and right precision resistor aattenuators. Features passive tone control system; dual record output selectors; individual stereo/mono switching for output 1 and 2; contra bass equalization. Wood side panels included. Inputs for MM phono; MC phono; tape; tape 2; tape 3; AUX, AUX 2; tuner; CD player and DAT with input common-mode noise filters. FR 0.8-170,000 Hz ±3 dB; phono S/N 92 dB; THD 0.0005%. 18.25 x 4 x 15.88 in; 19 lb..... $660

Integra P-304 Preamplifier
Dual-mono preamp with electrically separate left and right circuitry. Features direct tone controls with passive equalization; dual record output selectors; adjustable phono gain and load imp. Inputs for MM phono; MC phono; tape; tape 2; tape 3; AUX, AUX 2; tuner; CD player. FR 0.8-170,000 Hz ±3 dB; phono S/N 85 dB; THD 0.005%. 17.75 x 4 x 15.88 in.. $530

P-3160 Preamplifier
Preamplifier with selective tone control. Features CD direct input; simulated stereo circuitry; direct play



function; motorized volume control; RI remote compatible with supplied controller; 7 inputs; sleep timer function when used with Onkyo T-4120 tuner; front panel VCR jacks..... $270

PARASOUND

P/FET-900 Class A Preamplifier
FET class A preamplifier. Features FET discrete transistors; electronic logic switching; polypropylene capacitors; regulated power supply; gold-plated jacks; muting relay; variable loudness contour; 10-amp power switch; 3 AC outlets; mono switch; 2-tape monitors; 2-direction dubbing; separate CD, Video inputs; FR 10-80,000 Hz ±0.5 dB; THD <.005%; S/N 95 dB; 17.25 x 2.5 x 9.5 in..... $395

PERREAUX

SM3 Preamplifier
High-voltage MOSFET design; inputs for MM/MC cartridges; tuner; tape, CD. FR 20-50,000 Hz ±0.25 dB; input sens MC 175 μV rms @ 1 kHz/47 kilohms, 100 pF, MM 1.8mV rms; AUX/CD 350 mV rms/20 kilohms, all other inputs 100mV rms/25 kilohms; THD/IMD phono 0.005%, all other inputs 0.008%; channel sep 70 dB, 20-20,000 Hz, all inputs. 1.75 x 19 x 13.5-in; 13 lb..... $2,200

SA33 Class A Preamplifier
Features tone controls and large power supply. Gold plated input/output sockets. High voltage MOSFETdesign; inputs for MC/MMcartridges; tuner, tape, CD. FR 20-50,0000 Hz ±0.25 dB; input sens MC200 μV rms at 1 kHz/47 kilohms, 100 pF, MM 2.8 m Vrms; aux, CD 350 mVrms/250K ohms; THD/IMDphono 0.005%, all other inputs <0.009% 20 Hz-20,000 Hz at rated output; channel sep 68 dB 20-20,000 Hz, all inputs. 1.75 x 19 x 13-in. 12lb..... $1,750

PIONEER

C-90 A/V Preamplifier
Features wireless remote control; motorized rotary volume control; 5 audio inputs; 5 video inputs (3 input/outputs, 2 input only); 3 different power supplies; copper-plated chassis; 2 video outputs; recording selector/tape-dubbing switch; subsonic and high/low filters; loudness, muting, and tone controls; video enhancer (detail, sharpness, and noise cancel). 9 x 21.7 x 19 in..... $900

PROTON

1100 Preamplifier
Stereo preamp with separate MC phono input. Features built-in headphone amp; bass equalizer switch; listen/record selector; high-level pre-out 18 V. total harmonic distortion 0.003% (20-20,000 Hz, 2 V output); IMD 0.003% (2 V output); FR 20-20,000 ±2 dB; high-level input resistance 30 kilohms; line-level input sens 150 μV, 2.5 μV MM phono, 0.2 μV high-level MC, 0.1 μV low-level MC; S/N A-wtd 105 dB line level, 94 dB MM phono, 79 dB MC phono; bass control at 100 Hz ±10 dB; treble control at 10,000 Hz ±10 dB; bass EQ at 75 Hz +3 dB; infrasonic filter at 20 Hz -3 dB, slope −12 dB/oct; phono input capacitance selectable between 100, 200, 320 p-f; phono overload MM 290 μV (1,000 Hz, 0.1% total harmonic distortion); MM , phono total harmonic distortion 0.006% at 4.5 V ouptut, 0.01% MC phono; RIAA response ±0.2 dB MM phono, ±0.3 dB MC phono. 16.5 x 2.5 x 13 in..... $399

AP-1000 Preamplifier
Stereo preamp with separate record and listen selectors. Features bass, presence, and treble controls with bypass circuitry; dual-mono construction with separate power supplies for both channels; two discrete



preamplifiers; phono preamp section with FET's; selectable input capacitance for MM cartridges; multiple gain levels for MC cartridges; bass EQ switch; inputs for phono, tuner, CD, video, tape 1, tape 2; headphone jack. THD 0.003%; IMD 0.003%; FR 20-20,000 Hz ±2 dB; high-level input resistance/capacitance 26,000 ohms/47pF; residual noise 0.02 mV; video S/N 103 dB; tape play S/N 103 dB; MMphono S/N 91 dB; MC phono S/N 70 dB. 16.5 x 3.2 x 13.5 in; 14.3 lb..... $259

PS AUDIO

5.5 Preamplifier
Full-function preamp. Features all MOSFET circuitry; dual-mono power regulation; extra-large transformer; moving-magnet and moving-coil phono sections; 5 gain selections for phono cartridge; cartridge loading; high-level bypass; remote power supply. THD <0.01%; IMD <0.01%..... $1,195

4.6 Preamplifier
Full-function preamp. Features moving-magnet and moving-coil phono sections; 5 gain selections for phono cartridge; cartridge loading; high-level bypass; remote power supply. THD <0.01%; IMD <0.01%; MM noise −82 dB; MC noise −78 dB. 15 lb .. $659

QUAD

Quad 44 Control Unit
Preamp/control system with lift/step bass control to boost low-frequency output of small speakers, attenuate bass output when operating as filter to give 5-dB drop at 2 frequencies; ±2-dB tilt control that shifts tonal balance; variable filter slope control at 5,000, 7,000, 10,0000 Hz; all tone controls have defeat positions; balance/mono switch; radio, aux, disc, tape 1, tape 2 input selectors with optional microphone or MC phono inputs available. Input sens/imp 1 mV at 35 mV in/47 kilohms phono, 100 mV at 5 V in/39 kilohms tape, 1 M ohm radio and aux; FR ±0.5 dB 30-20,000 Hz phono RIAA, 30-20,000 Hz −0, +1 dB; high-level distortion 0.02%; residual noise −104 dB A-wtd; 12 x 4 x 8 in..... $995

Quad 34 Control Unit
Preamp control unit with tilt control; bass control; inputs for disc, tape, tuner, aux; 3 push-button filters; bass lift and step. Distortion worst case any input 0.5%. Residual noise A-wtd volume control at minimum −105 dB; FR ±0.3 dB any input except phono, FR phono RIAA ±0.5 dB..... $795

RCA

MPT200 Audio/Video Preamp Tuner
Dimensia A/V control center with unified remote control and on-screen status indication when used with Dimensia monitor lets you select inputs from up to 13 Dimensia components and 5 nonsystem components. Features automatic input selection; remote control volume, mute, direct access and station scan, and off/on; SystemLink cabling; simultaneous recording and playback; auto status indication; auto switching; quartz-PLL synthesis tuning; 20-station random-tuning memory; preset channel scanning; FM search tuning; electronic volume control; signal processing loop; preset turn-on volume; fluorescent display; muting; bass, treble, and balance controls; 4 AC convenience outlets. Tuner section: FM sens 12.2 dBf; S/N 73 dB (mono); image rejection 45 dB; sel 60 dB; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB; FM FR 30-15,000 Hz. 14.63 x 4.13 x 13.38 in $339

REVOX

B252 Preamplifier
Microprocessor-controlled preamp with input sensitivities programmable into nonvolatile memory and infrared remote control. Inputs for MM phono; MC phono; tuner; tape; tape 2; AUX; phono 2; CD player; EQ. FR 20-20,000 Hz +0, -0.2 dB; THD <0.01%; S/N 96 dB (line input), 75 dB (phono input); MM phono sens 1.6-23 mV for 5-mV output; sens for line-level inputs 160 mV to 2.3 V. 17.7 x 6 x 13 in... $1,400

ROTEL

RC870BX Stereo Preamplifier
Flat preamp (no tone controls) with inputs for MM phono, MC phono, tape 2. Frequency response 4-100,000 Hz +0.5 dB, -0.3 dB total harmonic distortion 0.004%; IMD 0.004%; MM phono input overload level 180 mV, MM/MC signal-to-noise ratios 80/70dB $449
RC850 Stereo Preamplifier similar to above but has 2 tone controls..... $249

JEFF ROWLAND DESIGN GROUP

Coherence One Preamplifier
Solid-state FET preamp with companion regulated power supply. Accepts all MM and MC cartridges directly. Direct-coupled design from input to output. Split-passive RIAA equalizer minimizes phono equalizer errors. No negative feedback; propriety design optimizes low-level signal recognition. Provides inputs for 1 phono and 3 high-level inputs. Tape rec outputs selectable from any input. Features phase reversal and full muting from front panel; separate right/left channel balance controls; master volume; balanced outputs standard; outputs mute upon powerup or error. 19 x 1.75 x 13 inches; 37 pounds $3,950

SAE

X1P X-Series Preamplifier
—Computer direct-line fully discrete preamp. Features separate power supply, loading for MM and MC phono inputs, rack mountable. Inputs for MM phono, MC phono, tape, AUX. FR 20-20,000 Hz ±0.1 dB; max output 17 V; THD 0.01%; IMD 0.01%; MM phono sens 0.07 mV for 0.5 V output at 1,000 Hz; 19 x 1.75 x 12.5 in; 14 lb..... $1,200

P102 Preamplifier
Computer direct-line preamp with 3 digital tone memories, electronic volume and balance controls. Features sequential audio muting to provide crossfade between input sources; alphanumeric displays of all functions. Inputs for MM phono, MC phono, tape, tape 2, AUX, phono 2, CD player, tuner, external processor. Frequency response 20-20,000 Hz ±0.5 dB; max output 7.5 V; THD 0.025%; IMD 0.025% IHF; MM phono sens 160 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 240 mV, 19 x 3.5 x 14 in; 17 lb..... $449

SANSUI

C-1000 Control/Preamplifier
Preamplifier with full-function remote control. Features multiple audio inputs; 2 video inputs; motor-driven volume control; delay-line video enhancer; monitor output; keyboard instrument input; variable loudness; remote mute. Preamp output 1,000 mV/1.5 kilohms; FR 10-100,000 Hz. 3.6 x 17 x 9.4 in; 7.1 lb..... $190

SOUNDCRAFTSMEN

DX 4200 Preamplifier/Equalizer
Combination preamp/equalizer with digital audio and video inputs. Features in/out balancing to 0.1 dB; phono preamp has variable cartridge loading (50-800 pF, 100/47,000 ohm) adjustable ±20 dB gain MC variable reluctance or MM cartridge inputs; 3-way tape dubbing; 2 external signal-processor loops; conventional line outputs plus separate autobridge line outputs for auto mono bridging of most amps; EQ S/N 114 dB; passive-coil filters with 15 dB boost or cut for each octave; differential/comparator circuitry for true 0.1 dB unity-gain equalizer balancing; 19″ rack-mount front panel; includes frequency spectrum analyzer test record and instant reset Computone charts; 5.25 x 19 x 11 in..... $699

DX4000. Same as DX4200 without graphic equalizer but with 3 external signal-processor loops $439

Pro-Control Four-Control Center/Preamp.
Digital C-MOS MOSTROL. Features five tape monitors for audio or video tape, CD, tuner and phono inputs. Two signal processor loops, sub-sonic filter, and direct mode to bypass all processing. Headphone jack, auto-bridge circuit to triple amplifier output. frequency response 20-20,000 Hz ±0.1 dB; total harmonic distortion <0.005%; signal-to-noise ratio: phono 97 dB, high-level 116 dB. Rack mount front panel. 19 x 3.5 x 10.5 inches..... $699
Pro-Control Three Control Center/Preamp. Same as above, except with two tape monitors and one signal-processing loop..... $49

DX3000 Preamplifier
Features bass and treble controls; 2 tape monitors with dubbing; stereo video inputs; loudness compensation; signal-processor input/output. Inputs for MM phono, tape, tape 2, CD player, tuner, video. CD inputs matched to high dynamic range of players. FR 5-60,000 Hz +0, −1 dB; S/N 95 dB; THD 0.01%; MM phono sens 1.4 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 200 mV at 1,000 Hz; sens for line-level inputs 140 mV. 19 x 2.36 x 10 in; 10 lb..... $329

SHERWOOD

AP-7020 Preamplifier
Features discrete pure complementary flat amplifier; loudness switch; ultra-low bass EQ; gold-plated phono jack; switchable MM/MC phono gain amplifier; switchable tone control turn-over frequency; direct switch (tone bypass); active high and subsonic filter; record out selector switch; 2 sets of pre-amp output jack; external processor in/out jack; muting switch. 4.1 x 17.3 x 11 in..... $479

AM-7040 Preamplifier
Features high speed MOSFET; huge power reserve; overload protection; multi-stage LED power indicator; variable output level control; independent L/R power transformer; variable and fixed inputs; heavy-duty speaker terminals; 6.4 x 17.3 x 15.7 in... $949

SONOGRAPHE BY CONRAD-JOHNSON

SC1 FET Preamp
All-FET preamp with matched-FET polypropylene and polystyrene capacitors for all audio circuits; discrete power-supply regulation; inputs for phono, tuner, CD, video, tape 1 and 2. Frequency response 5-100,000 Hz ±0.5 dB; max output 10 V; total harmonic distortion 0.1%; IMD 0.1%; phono overload 150 mV; 3.5 x 18 x 12-in..... $595

SONY

TA-E77ESD Preamplifier
Preamplifier with built-in 16-bit, linear digital-to-analog converter with quadruple-oversampling digital filter. Features automatic matching of sampling rate; audio/video switching capability; S-video inputs and outputs; source direct switch; 12 total input sources; passive tone control circuitry; record out selector; adaptor terminals; 3-mode cartridge selector. IMD 0.001%; total harmonic distortion 0.001%; separation >90 dB; FR 5-20,000 Hz ±0.5 dB$1,200

SPECTRASCAN

LCA-10 Preamplifier
High gain, high voltage input buffer-amplifier eliminates cartridge interaction. Low noise MC head amp; input for MM, CD, video, tuner, tape 1 & 2, 2 sets of outputs. Frequency response 3-250,000 Hz; total harmonic distortion line amp .05%; IMD.05%; signal-to-noise ratio 100 dB; sens 100 mV for 1.0 V output; 3.75 x 19 x 9.5-in; 17 lb..... $1,345

SUMO

Athena Preamplifier
Stereo preamp with built-in moving-coil head amp. Features discrete circuitry utilizing 1% metal film resistors and metalized polypropylene capacitors; gold-plated input/output jacks; separate record/mode select functions; linear-phase-matrix subsonic filter; high-level bypass; laser-trimmed stepped volume control. FR 20-20,000 Hz ±0.1 dB; crosstalk 80 dB; THD/IM <0.01% below 10 V output $699

SUPERPHON

Revelation II Preamplifier
Features 2 tape and processor loops; max output 5 V; 150 mV MM phono overload; MM phono input impedance 47K ohms $699
C.D. Maxx Preamplifier
Features 1 tape and processor loop; max output 3 V..... $329

TANDBERG

TCA 3018 Control Preamplifier
Preamplifier with zero-negative-feedback design. All high-level inputs have overload rating of 20 V; toroidal transformer with separate winding for each ch; separate power supply for each ch; selected metal-film resistors and polyprylene capacitors; no tone controls; separate record and program selection. 17.13 x 3.25 x 13.75 in; 12.5 lb $2,500

TCA 3038A Control Preamplifier
Fully remote controlled unit similar to above. Servo controlled volume (when used with remote); tone controls; tone defeat; loudness; MM and MC; DAT, CD, video, and tape inputs. Remote optional. Rosewood panels; 17.13 x 3.25 x 13.75 in; 11 lb . $1,350

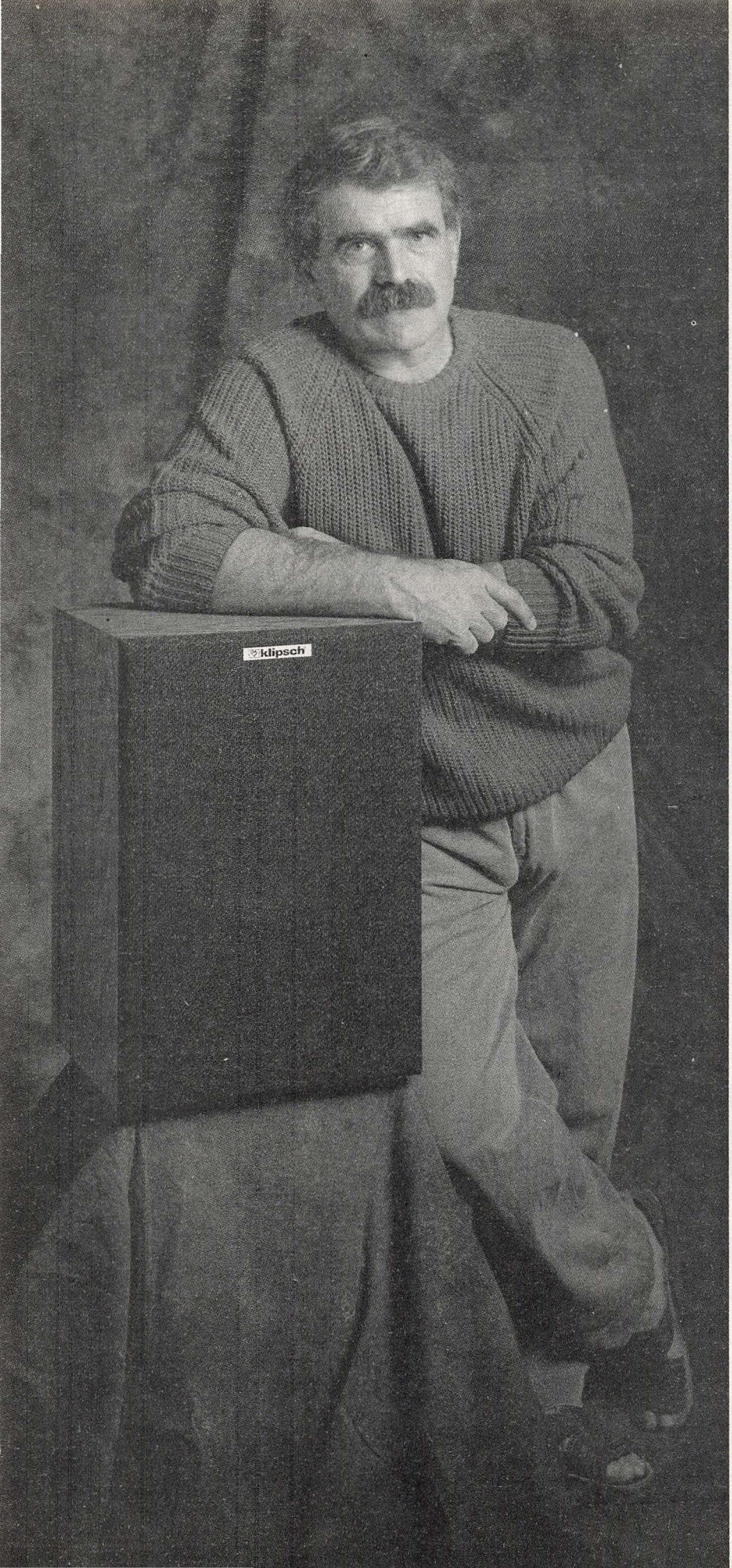
TECHNICS

SU-A200 Class AA Preamplifier
Features Class AA circuitry to separate voltage amplification from current amplification. Voltage amp operates in Class A driving Class AA bridge circuit which provides ideal load characteristics for max linearity and isolation from imp fluctuations. Class AA EQ circuit isolates voltage amp from load-imp fluctuations. Active Servo power supply. Switches video signals form A/V inputs as well as audio signals from 8 inputs with video output for monitor. Inputs for MM phono; MC phono; tape; tape 2/VCR; aux; phono 2; CD player; tuner; video (AV 1). FR 0.5-180,000 Hz +0, ±3 dB. 17 x 5 x 14.25 in; 20 lb$1,250

SU-A4MK2 Stereo DC Preamplifier
Features amorphous step-up transformer for extended linear response; full- matching phono equalizer for all types of cartridges; all Class A with ICL ultra-low-noise FET input; low output imp allows remote power amp placement; shelving tone controls for EQ; presettable CD/aux/video input selector; 4-ganged master volume control; infrasonic and high filter switches; loudness switch; separate rec selector with two-way dubbing; two tape monitors. Maximum output voltage rated at 8 volts; 16.94 x 3.81 x 14.19 inches; 17.6 pounds $1,190

SU-A6MK2 Stereo DC Preamplifier
Features shelving tone controls, selectable turnover frequencies, infrasonic filter, audio muting. Inputs

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 217.



More For My Money

I'd always thought you needed big speakers to get good sound. So every couple of years, some department store would have a sale and I would buy the biggest speakers I could find for the money. Then I moved across the country to take a new job. I left my old speakers behind. I was sure they wouldn't fit in my new apartment and I was ready for new ones anyway.

After the move, I went shopping for new speakers at a specialty hi-fi store near my apartment. I told the salesman to show me something under $500. He took me into a room full of all kinds and sizes of speakers.

The first speakers he demonstrated were fantastic. The bass was big and tight. The stereo image was beautiful. Surely it was the biggest pair in the room.

"I don't have the room for those big speakers," I said. "And besides, I'm sure I can't afford them."

He stopped the demonstration to show me a KLIPSCH® kg²®, a compact and elegant model. "Yeah, this is more my size," I said, "let's hear a pair of these."

"You just did," he said.

I bought those kg²s. I paid a lot less than I had planned. And, believe me, I got a lot more for my money.

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CIRCLE NO. 74 ON READER SERVICE CARD

for MM phono, MC phono, tape 3, tape 2, aux 2, phono 2, CD player, tuner, computer, VCR, DAT recorder, TV. Max output 8 V; 16.94 x 3.88 x 14.19 in $875

THRESHOLD

Model FET ten/hl Control Preamplifier
Dual-ch, high-level noninverting field-effect transistor preamp dedicated specifically to line-level signal applications. Accepts 5 high-level sources and 2 tape decks with full flexiblity in record/monitor signal routing. External power supply in separate chassis. Input J-FETs operated in parallel, doubling transconductance and lowering noise and distortion. Secondary gain stages use cascoded MOSFETs to supress voltage fluctuations, allowing low distortion even when driving loads less than 500 ohms. Circuit boards are miltary-grade glass-epoxy with gold-over-nickel-over-copper-plated paths. Gold-plated connectors with Teflon insulation. Precision metal film and wirewound resistors are used throughout. Bandwidth response 1.5 Hz and 125,000 Hz at −3 dB points; distortion 0.01% at 3 V rms from 20-20,000 Hz into 1,000-ohm load; crosstalk no greater than −75 dB at 20,000 Hz with 1,000-ohm source; noise no greater than −110 dBA referenced to 1 V input; input imp 25,000 ohms, nominal; output imp 100 ohms. Controls for program source selector; record signal routing; monitor signal selection; mode selector; balance control; audio level control. 1.75 x 19 x 6.5 in $2,000

Model FET nine Preamplifier
Dual-ch noninverting field-effect transistor preamp. Accepts inputs from high- and low-level MC, MM or other velocity-output characteristic phono cartridge, 3 high-level sources, and 2 tape decks with full flexiblity in record/monitor signal routing. Cartridge section uses single gain-variable preamplification stage for MC and MM cartridges. Cartridge loading selected by internal DIP switch assemblies. Signal-path topologies and power-regulation circuits derived from FET ten research. External power supply in separate chassis. Circuit boards are miltary-grade glass-epoxy with gold-over-nickel-over-copper-plated paths. Gold-plated connectors with Teflon insulation. Precision metal film and wirewound resistors are used throughout. FR bandwidth 1.5 Hz and 125,000 Hz at −3 dB points; distortion 0.01% at 3 V rms from 20-20,000 Hz into 10,000-ohm load; high-level input imp 25,000 ohms, nominal; output imp 100 ohms. Controls for program source selector; record signal routing; monitor signal selection; independent channel balance control; audio level control. 1.75 x 19 x 6.5 in $1,750

FET ten/pc Phono-Cartridge Preamp
Dual-ch noninverting field-effect transistor preamp dedicated specifically to phono-cartridge gain applications. Accepts inputs from high- and low-level MC, MM or other velocity-output characteristic phono cartridge and provides RIAA equalized output suitable for preamp high-level inputs. Single gain-variable high-performance stage provides signal increase required by different cartridge types. Combination of active low-frequency and active and passive high-frequency equalization make up RIAA equalization. Up to 16 different cartridge-loading characteristics may be user selected with internal DIP switch assemblies. External power supply in separate chassis. Circuit boards are miltary-grade glass-epoxy with gold-over-nickel-over-copper-plated paths. Gold-plated connectors with Teflon insulation. Precision metal film and wirewound resistors are used throughout. Crosstalk no greater than −70 dB at 20,000 Hz with 1,000-ohm source; output impedance 420 ohms. 1.75 x 19 x 6.5 in $1,200

WINGATE AUDIO

1000 Audio/Video/Digital Preamp
Same performance as 550 except: 30 V output with < 0.02% total harmonic distortion; IMD < 0.02%; MM phono overload 400 mV; moving magnetic phono signal-to-noise ratio >105 dB; moving cartridge phono signal-to-noise ratio >85 dB; separate audio, video, and digital switching; dual-mono construction; dual independent power supplies; dual chassis; switch-selectable phase polarity $2,900

990 Audio/Video/Preamp
Same performance as the 550 plus separate audio and video switching; remote control $1,995

660 Audio/Video Preamplifier
Same performance as the 550 plus separate audio and video switching. $1,695

550 Audio Preamplifier
100% FET; no negative feedback; MOSFET regulated power; toroidal power transformer; ultra-wide bandwidth; 20 V output with no more than 0.05% total harmonic distortion; frequency response 0.1-250,000 Hz +0, −3 dB; intermodulation distortion <0.05%; MM phono overload 400 mV; MM phono signal-to-noise ratio >100 dB; MC phono signal-to-noise ratio 80 dB; selectable phono input impedance .. $1,395

YAMAHA

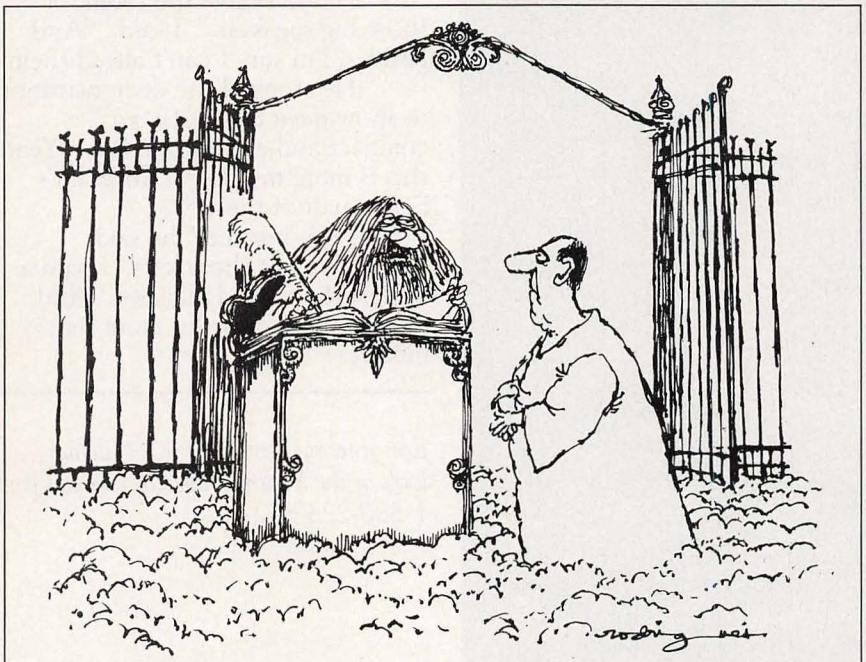
CX-10000 Digital Preamplifier
Limited Centennial Edition digital control amplifier with built-in digital sound field processor and D/A converter. Features hi-bit quadruple oversampling; hi-bit precision D/A conversion; digital-direct connection; digital input/output port; digital parametric equalizer; 16 user-memory programs combining digital sound field and/or digital parametric equalizer; wireless remote control. Titanium grey with high luster walnut end panels; 65 lb $7,500

HX-10000 Phono Head Amplifier
Limited Centennial Edition phono head amplifier. Features two independent moving-coil head amplifiers (selectable for phono 1 and phono 2). Titanium gray cabinet with high luster, hand-rubbed walnut end panels; 20 pounds $2,500

CX-1000U Digital Preamplifier
Digital preamplifier with built-in hi-bit 8-times-oversampling digital filter. Features hi-bit twin D/A converters; 4 digital (4 coaxial, 3 optical) audio inputs and 4 video inputs; continuously variable loudness control; 5 audio record outputs and 2 video record outputs; 12-position record out selector; provisions for simultaneous audio and video recording on two VCR's; 1 optical, 2 coaxial digital audio record outputs; automatic sampling frequency switching; 6-position moving magnet or moving coil phono cartridge load selector; source direct switch; audio mute; remote control $1,199

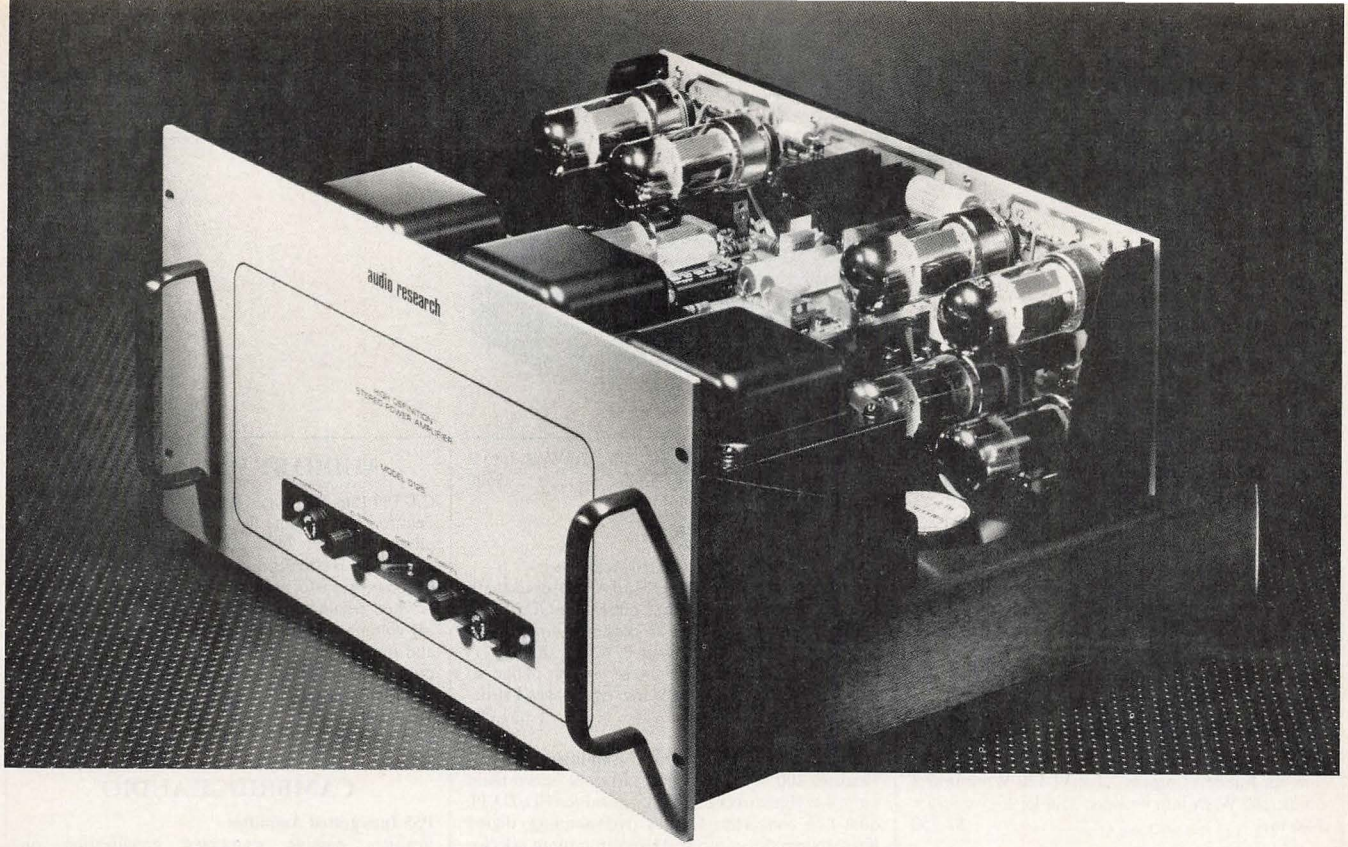
CX-800U Preamplifier
Preamplifier with 8 audio and 3 video inputs. Features 4 audio and 2 video record outputs; 9-position record out selector; provision for simultaneous audio/video recording on two VCR's source direct switch; phase invert switch; continuously variable loudness control; 6-position MM and MC cartridge load selector; bass and treble controls; subsonic filter for frequencies below 30 Hz; remote control $699

CX-600U Preamplifier
Preamplifier with 6 audio and 2 video inputs. Features 2 audio and 1 video record output; 6-position record out selector; source direct switch; continuously variable loudness control; MM and MC cartridge switch; bass, treble, and midrange controls; subsonic filter for frequencies below 30 Hz; remote control $449



". . . So you're Joseph Paul Carruthers and you were president of Audivex speakers. You made many claims for your speakers. Tell me, Joseph, what is 'flux impulse driver'? And 'no-lag midrange crossover'? What about 'vectored ubiquitous maxi-woofer,' what is that, Joseph?"

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 217.



Mastery. Reliability. Convenience.

A new hybrid from Audio Research leads the way in amplifier technology.

The Hybrid Lineage

Audio Research has been a leader in developing innovative hybrid audio circuits combining the linearity and harmonic accuracy of vacuum tubes with the low noise and long service life of field-effect transistors.

You'll hear that lineage in the D125's ability to produce musical dynamics with palpable authority, and low-level information with a transparency and lack of grain that mimics reality. Given a first-class program source, the D125 brings to the soundstage a three-dimensionality and precision unique in this price range.



The D125 Stereo Amplifier

Unparalleled Convenience and Reliability

The D125 was also designed to provide day-to-day reliability and convenience.

Sophisticated protection circuitry assures that potentially damaging input signals won't stress the eight 6550 output tubes.

Routine maintenance couldn't be easier. Tube balancing is controlled automatically, while Plate Current Controls allow the owner to keep performance optimized as tubes age. Even when output tubes are replaced, the D125 won't need to be returned to the dealer for rebiasing.

By occasionally checking the Low Current Monitor LEDs on the back of the main circuit board, the owner can determine whether individual tubes need replacing, and do it himself. Quickly, economically.

The D125 allows a wider range of installation options, too. Music lovers who are looking to reduce the visual impact of their amplification can tuck the D125 out of sight in a cabinet or closet, thanks to its moderate dimensions and quietly efficient fans.

20 Years of Quality

Of course, the quality of components and construction is as you would expect in a component from Audio Research. And D125 owners can rest assured their amplifier will have parts and service support for as long as they own it. That's a commitment to customers Audio Research has upheld for 20 years.

Audition the D125 at your Audio Research dealer soon.

HIGH DEFINITION® MUSIC REPRODUCTION

CIRCLE NO. 65 ON READER SERVICE CARD

audio research corporation

6801 Shingle Creek Parkway
Minneapolis, Minnesota 55430
Area Code 612/566-7570
Telex: 290-583

INTEGRATED AMPLIFIERS



ACCUPHASE BY MADRIGAL

E-303X 150-W/ch Integrated Amp
Power meters; 3-position loudness compensation; inputs for MM phono, MC phono, tuner, tape, tape 2, AUX, phono 2, CD player, line 2. 150 W/ch into 8 ohms; 250 W/ch into 2 ohms; MM phono sens 0.22 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 13.9 mV; 45.2 lb; 17.5 x 6.4 x 14.6 in $3,500

E-302 120-W/ch Integrated Amp
3-position loudness compensation and power meters. Inputs for MM phono; MC phono; tape; tape 2; phono 2; CD player; 3 line inputs. S/N 120 dB; MM phono sens 0.22 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 7.1 mV; 120 W/ch into 8 ohms; 180 W/ch into 4 ohms; 35.6 lb; 17.5 x 5.75 x 14.6 in..... $2,750

E-205 80-W/ch Integrated Amp
Parallel push-pull output stage driven by MOSFET driver stage; large power supply; direct-coupled circuitry with DC servo; high-gain equalizer; MC-input imp selector; 9 inputs; turnover selector switch; tape monitor and dubbing switches; subsonic filter; outputs for 2 pairs of speakers; speaker selection switch; mono switch. Inputs for MM phono; MC phono; tape; tape 2; CD player; tuner; 3 line-level inputs. Champagne-gold or black-anodized finish. 80 W/ch into 8 ohms, 100 W/ch into 4 ohms. 17.5 x 5.75 x 14.56 in; 30.8 lb..... $1,700

AUDIO DYNAMICS

CA-2000E Integrated Amplifier
100-W/ch integrated amplifier. Features CD-direct switch; infrasonic filter; CD, tuner, AUX, and 2 tape inputs; two phono preamps; separate low-noise class-A moving coil preamp; dubbing capability; separate power-supply regulators; CD and phono jacks are gold-plated; wireless universal remote control for Audio Dynamics products..... $799

AUDIO DESIGN ASSOCIATES

MRA-808 Multiroom Amp Mainframe
Contains 8 integrated amplifier modules. Each module features digitally controlled volume, bass and treble. 40 W/ch continuous from 20-20,000 Hz into 8 ohms with no more than 0.03% THD; 60 W/ch into 4 ohms; slew rate 10 v/μsec; IMD 0.02%; 50 lb; 19 x 12.5 x 14.5 in $9,927

DCA-40 Digital Control Amplifier
Integrated amp with inputs for MM phono, tape, tape 2, AUX, CD player, tuner. Features electronic digital volume control; separate phono preamp. 40 continuous average W/ch from 20-20,000 Hz with no more than 0.06% THD into 8 ohms; 50 W into 4 ohms; FR 20-20,000 Hz ±3 dB; THD 0.06%. 6 lbs. 19 x 3.5 x 12 in..... $950

a/d/s/

Atelier A2 80-W/ch Amplifier
Stereo integrated amp with separate input selectors for recording and listening. Features 2 tape monitor loops; phono preamps for MM and MC cartridges; preamp output and main amp input jacks; LED displays; clipping indicators; power output 100 W/ch into 4 ohms, 80 W/ch into 8 ohms, 70 W/ch into 2 ohms. 2.8 x 17.5 x 14.8-in; 20 lbs..... $699

AKAI

AM-93-B 120-W/ch Integrated Amplifier
Features 120 W/ch with zero drive DC-servo main amp; 4-digital direct inputs (2 optical for CD/DAT); dual D/A converter; 18-bit processing; 8-times oversampling; digital filter; source direct mode; 11-position input selector; low-noise MM/MC phone EQ amp; 0.008% THD resonance free rigid chassis structure $1,099

AM-73-B 100-W/ch Integrated Amplifier
Features 100 W/ch with zero drive DC-servo main amp; 4-digital direct inputs (1 optical for CD/DAT); dual D/A converter; 4-times oversampling; digital filter; source direct mode; 11-position input selector (3 tape monitor); 0.008% THD; resonance free rigid chassis structure..... $799

AM-52-B 70-W/ch Integrated Amplifier
Features 70 W/ch with dual-pole DC-servo; source-director switch; low-noise MM/MC phono EQ amp; 7-position input selector (2 tape monitor); speaker A/B selector w/large binding posts; 0.005% THD; processor terminals for EQ..... $399

AM-32-B 50-W/ch Integrated Amplifier
Amplifier with dual-pole DC-servo delivers 50-W/ch. Features source direct mode switch; low-noise moving magnet/moving coil phone EQ amp; 7-position input selector (2 tape monitor); speaker A/B selector with large binding posts; 0.005% total harmonic distortion processor terminals for EQ..... $349

ARCAM

Arcam Delta 90 Integrated Amplifier
Amplfier with toroidal power transformer delivers 70-W/ch into 8 ohms. Features inputs for MM/MC cartridges, tuner, CD and two-tape recorders; bypassable limited range tone controls; mono switch; two loudspeaker outputs; THD 0.02% at 60 W; FR 40-20,000 Hz -3 dB. 16.93 x 10.43 x 3.54 in $749

Arcam Alpha+ Integrated Amplifier
Amplifier with toroidal power transformer delivers 30-W/ch into 8 ohms. Features 5 inputs; sensible tone controls; headphone socket with loudspeaker mute; THD 0.02% at 25 W; FR 60-20,000 Hz -3 dB. 15.75 x 9.1 x 3.74 in $299

A60+ Integrated Amplifier
Amplifier with 40-W/ch into 8 ohms features four inputs including one dedicated to CD; optional MC60 plug-in preamplifier board; two tape outputs; switchable hi filter and mono functions; sensible tone controls; headphone socket with loudspeaker mute; total harmonic distortion 0.03% at 35 W. 17.72 x 9.45 x 2.36 in $399

Arcam Delta 60 Integrated Amplifier
Purist integrated amplifier with 50-W/ch into 8 ohms; 20-20,000 Hz; inputs for MM/MC, straight-wire passive preamp section into a high gain power amplifier; tuner, CD mono/stereo switch; speaker 1 and 2; THD 0.02% slew rate 25; sens 120 μV; Delta Box converter, ... $599

AUDIO BY VAN ALSTINE

CA-150 Plus Integrated Amplifier
Features Van Alstine Fet Three Plus hybrid preamplifier circuitry; 240D full complementary power MOSFET amp circuits driven from high-current toroidal power transformer and 2-stage power supply with isolated regulated preamp sections; precision tracking volume control and balance control; phono, CD, and tuner inputs; dual tape-to-tape monitoring and dubbing capability; drives two pairs of speakers simultaneously or separately; headphone jack; 75 W/ch into 8 ohms with less than 0.01% THD. 13.5 x 12.5 x 4.5 in; 15 lb..... $750

CAMBRIDGE AUDIO

P55 Intergrated Amplifier
Features passive segmented equalization on MMandMCinputs. Power output is 70 W/ch into 8 ohms, tone on/off control.THD 0.05%..... $648

P40 Integrated Amplifier
Features passive segmented phono section; MC/MM switchable inputs; large toroidal input transformer; 40 W/ch; THD 0.05%; S/N MM 80 dB, MC 73 dB, line 80 dB. 2.5 x 17.5 x 11 in.; 17 lb..... $498

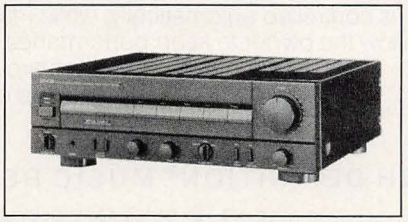
CREEK AUDIO BY MUSIC HALL

5050 Integrated Amplifier
50-80 W/ch. Multi-function with MM and MC, video, CD, tuner, 2 tape to tape in and outs, tape monitor, tape to tape dubbing, active/passive tone controls, pre-amp out, power amp in, 4 speaker switching (A, A & B, B). Amp also bridgeable to mono unit to provide 2 mono amps, 100 W/ch..... $950

4040/S2 40-W/ch Integrated Amplifier
Inputs for MM phono, CD, tuner, tape in and out. Designed for extreme clarity and warmth. 40 W/ch into 8 ohms..... $425
4140/S2. Similar to above but with 45-65 W/ch; MC switch; increased sens and gain..... $525

DENON

PMA-1520 Integrated Amplifier
130 W/ch integrated amplifier. Features Denon Optical Class A circuitry. Digital multi-interface decoder; 7 audio inputs phono AUX1,2, CD, tuner, tape 1, 2. 3 way speaker terminals; CD direct; THD.003% -3dB at rated output; IMD.003%; FR1-250,000 Hz -3 db at 1W; S/N120 dB; 6.37 x 17.08 x 15.43-in; 29 lb..... $1,000
PMA-920. Similar to the PMA-1520 above except with 115 W/ch..... $600
PMA-720. 90 W/ch..... $450



PMA-520. 70 W/ch..... $350

PMA-250 Integrated Amplifier
Features high-speed power transistors; simple and straight signal path; CD-direct switch; inputs for phono, CD, tuner, AUX, tape monitor; dual-concentric volume controls; headphone jack; large speaker terminals for audiophile quality connections. 25 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.08% THD; dynamic power 52 W/ch into 8 ohms; IMD 0.03%..... $200

DUAL BY ORTOFON

PA5060 Integrated Amplifier
60 watt/ch integrated amplifier with high current output capability and MC phono input. Black . $380

PA5030 Integrated Amplifier
30 watt/ch integrated amplifier with high current output capability and MC phono input. Black . $280

ELECTROCOMPANIET BY MUSIC AND SOUND IMPORTS

AW100 Integrated Amplifier
Integrated Amp features 100 W/ch into 8 ohms; 180 W/ch into 4 ohms; FR 0-100,000 Hz; THD 0.003%; 30 lb..... $1,495

HITACHI

HA-007SW 65-W/ch Integrated Amp
Drives 2 pairs of speakers; inputs for 2 video sources, phono, CD, tuner, videodisc player, tape; bass and treble controls; balance control; loudness control; subsonic filter; Pure Drive Circuit; MOSFET's; rosewood end caps. 65 W/ch into 8 ohms; damping factor 60 at 1,000 Hz; 19 lb..... $400

HARMAN KARDON

PM665 Vxi 150-W/ch Integrated Amplifier
Inputs for A/V, aux, tuner, CD player, phono (MM or MC); VCR/tape monitor switches 2 decks and source; drives 2 pairs of speakers; selectable turnover frequencies (bass 200 or 400 Hz, treble 2,000 or 6,000); tone defeat; mono switch; capacitance trim (normal, +100, 200, 300 pF); phase-correct loudness; high and low filters; 2-way tape dubbing; lit mute button (20 dB down); preamp out and main in jacks; active/passive phono section; 2 power transformers; 8 150-W power transistors. 150 W/ch into 8 ohms; dynamic power 500 W; current capability ±80 amps..... $999
PM655 Vxi. As above, 90 W/ch; current capability ±45 amps for 260 W on peaks..... $699
PM645 Vxi. As above, 90 W/ch; current capability ±30 amps; external processor loop instead of preamp out/main in jacks..... $479
PM640 Vxi. As above, 45 W/ch; current capability ±18 amps; neg feedback 20 dB; no low or high filter..... $329

JVC

AX1100BK Integrated Amplifier
Features Pure Signal Transceiving; separate CD ground; separate CD input with differential input; Dynamic Super-A power amp; Gm selector; Gm volume; 2-amp construction; inputs include CD 1, CD 2, DAT, and 5 others; high-gain phono equalizer for MC/MM cartridges; connections for two pairs of speakers. 120 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.003% THD $720

KENWOOD

KA-3300D 150-W/ch Integrated Amplifier
Basic series digital integrated amplifier with dual built-in 16-bit D/A converters. Features optical interface with DP-3300 CD player; VIG-DLD (Voltage Interface Gate with Dynamic Linear Drive) power amplifier; quadruple oversampling digital filters; 7-pole Butterworth FDNR analog low-pass filters; 3 sampling frequencies (48/44.1/32 kHz); coaxial digital input; 3 tape inputs; dual rec-out selector; 2-way dubbing; digital-direct and line-straight switches; dual MM/MC phono equalizer amplifiers; Kenwood NF-CR tone controls with selectable turnover; high-rigidity chassis; audio insulator feet; Sigma Drive Type B; variable loudness; subsonic filter; mono/stereo switch; volume control; gold-plated input jacks; 150 W/ch min rms; THD 0.004%; S/N 110 dB. 6.69 x 17.31 x 16.56 in; 39.2 lb..... $1,199

KA-880D 100-W/ch Integrated Amplifier
Basic series integrated amplifier with VIG-DLD power amplifier. Features low-impedance drive capability; independent CD input; CD-direct and line-straight switches; 3 tape inputs; dual rec-out selector; 2-way dubbing with monitor switch; MM/MC cartridge selector with NFB loop equalizer amplifier; Kenwood NF-CR bass and treble controls; Sigma Drive Type B; -30 dB muting; loudness switch; subsonic filter; mono/stereo switch; 2 speaker systems operation; 100 W/ch min rms; THD 0.008%; S/N 108 dB. 5.69 x 17.31 x 13.5 in; 22 lb $410

KA-770D 80-W/ch Integrated Amplifier
Basic series integrated amplifier with DLD power amplifier. Features low-impedance drive capability; independent CD input; CD-direct and line-straight switches; 3 tape inputs; dual rec-out selector; 2-way dubbing with monitor switch; MM/MC cartridge selector with NFB loop equalizer amplifier; Kenwood NF-CR bass and treble controls; -30 dB muting; loudness switch; subsonic filter; mono/stereo switch; 2 speaker systems operation; 80 W/ch min rms; THD 0.008%; S/N 108 dB. 5.69 x 17.31 x 13.5 in; 20.24 lb..... $360

KA-76 100-W/ch Integrated Amplifier
Features 7-band graphic equalizer; dual-range LED power meters; CD/AUX input; 2 tape inputs with 2-way tape dubbing and monitor; equalizer recording switch; loudness switch; muting; A/B speaker selector; headphone jack; 100 W/ch min rms; THD 0.05%; S/N 100 dB. 4.31 x 16.56 x 10.88 in; 14.7 lb... $300

KA-127 125-W/ch Integrated Amplifier
Features 7-band graphic equalizer and power meters; 125 W/ch min rms; CD/AUX input; motorized volume control; unified full remote control system; auto-function; bi-directional tape dubbing; dual video sound inputs; connections and switching for two pairs of speakers; full circuit protection; headphone jack; THD 0.05%; IMD 0.03%; FR 10-70,000 Hz +0 dB, -3 dB; S/N ratio 75 dB; 4.68 x 16.56 x 10.68 in; 17.6 lb..... $369

KA-87 100-W/ch Integrated Amplifier
Features 7-band graphic equalizer; 100 W/ch min rms; LED power meters; separate CD input; auto-function; bi-directional tape dubbing; dual video sound inputs; connections and switching for two pairs of speakers; full circuit protection; headphone jack; THD 0.05%; IMD 0.03%; FR 10-70,000 Hz; S/N ratio 75 dB; 4.31 x 16.56 x 10.87 in; 15.84 lb.. $269

KA-V1000R Integrated Amplifier
80-W/ch, 30-W/ch for rear, 6 video and audio inputs; full-function wireless remote control additional learning 58 functions programmable; 16-bit digital delay; four mode surround sound including Dolby; 3 indepedent rec selecotrs; super VHS and BETA input; built-in sharpness and detail enhancer; on-screen data display; motor-driven rotary volume control..... $875

KYOCERA

A-910 150-W/ch Integrated Amplifier
Ceramic base/chassis; cutless-core power transformer; DC configuration with DC servo control; fine-ceramic linear modularized phono stages. Inputs for MM phono, MC phono, tape, tape 2, AUX, phono 2, CD player, tuner, video. FR 10-100,000 Hz ± 1.5 dB; max output 0.25 V at rated sens; S/N 96 dB; MM phono sens 2.2 mV for 0.5 V output at 1,000 Hz; sens for line-level inputs 250 mV; 150 continuous average W/ch from 20-20,000 Hz with no >0.02% THD into 8 ohms; dynamic headroom 1.2 dB; slew rate 90 V/μs; 200 W/ch into 4 ohms with 0.05% THD; damping factor 150 (1 kHz); S/N 78 dB. 17 x 5.75 x 16.5 in..... $1,500

LUXMAN

LV-109 Digital Direct Integrated Amplifier
Integrated amplifier with built-in D/A converter. Features digital interaction with Luxman D-109 CD player; 2 digital direct inputs; line straight switch; front panel video input jack; signal-processor switch; rec-out dubbing selectors; sampling frequency indicator; tape/video monitor selector; mono/stereo switch; −30 dB attenuator switch; bass/treble controls. 150 W/ch; total harmonic distortion/intermodulation distortion <0.09%; frequency response 5-200,000 Hz −3 dB; signal-to-noise ration (line straight) CD/line, tape >110 dB; 17.25 x 6.56 x 18.13 in; 44 lb..... $1,500

LV-105U Integrated Amplifier
Features BRID (hybrid) and STAR circuitry; Duo-Beta; voltage-driven amplification; tape and video dubbing; front-panel inputs (A/V 2, audio-video); rec-out selector; video amp and switching capability. Inputs for MM phono; MC phono; tape; tape 2; A/V; A/V 2; CD player; tuner. 80 continuous average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.25% THD; 200-ms dynamic power 200 W at 4 ohms; FR (audio High level inputs) 3.5-300,000 Hz ±3 dB, 20-20,000 Hz ±0.2 dB phono, 10-6 MHz video ±1 dB; S/N 90 dB (MM), 70 dB (MC), 96 dB (tuner, tape, CD, video audio); IMD 0.03%. 17.25 x 5.19 x 13.88 in; 25.3 lb..... $1,000

LE-109 Phono Pre-Amp
Designed as companion for LV-109. Features separate MC/MM inputs; variable gain and impedance switches; MC straight circuit; subsonic filter; 3 step attenuator selector. THD 0.005%; FR 20-20,000 Hz ±3 dB; input sens/imp phono 1 (MC straight) 150 μV/100 ohms, phono 2 (MM 0 dB) 2.5 mV/47 K ohms, phono 2 (MC/22 dB) 260 μV/3,40,100 ohms, Phono 2 (MC 32 dB) 90 μV/3,40,100 ohms. 17.25 x 2.5 x 12.19 in; 9.9 lb..... $500

McINTOSH

MA-6200 Integrated Amplifier
Features 100 W/ch into 4 ohms, 75 W/ch into 8 ohms. 42 lb..... $1,795

MARANTZ

PM-94G 140-W/ch Integrated Amplifier
140 W/ch integrated amp features Quarter-A design; AVSS (automatic voltage supply shift); matched complementary MOSFET output devices in triple push-pull circuit; CD/phono direct switch; tone defeat switch; toroidal power transformer; ceramic damped capacitors; copper-plated chassis; separate monitor/dubbing selectors for 2 tape decks plus VCR; built-in MC step-up transformer; switches for mono mode, subsonic filter, muting, speakers on/off; total harmonic distortion 0.01%; rosegold with rosewood side panels..... $3,000
PM-94BL. Similar to PM-95G above except with black finish..... $2,800

PM-84D 100-W/ch Integrated Amplifier
100 W/ch integrated amp features Quarter-A design; AVSS (automatic voltage supply shift); matched complimentary MOSFET output devices; CD/phono direct switch; tone defeat switch; ceramic damped capacitors; copper-plated chassis; separate monitor/dubbing selectors for 2 tape decks plus video cassette recorder; built-in moving coil step-up transformer; mono mode switch; THD 0.015%; $1,360

PM-74DBL 105-W/ch Integrated Amplifier
105 W/ch black integrated amp features Quarter-A design; AVSS (automatic voltage supply shift); CD/phono direct switch; tone defeat switch; ceramic damped capacitors; copper-plated chassis; separate monitor/dubbing selectors for 2 tape decks; tone defeat; switches for mono mode, subsonic filter, muting, speakers on/off; IMD 0.03%; THD 0.03%. 8.12 x 19.5 x 16.5 in; 23.1 lb $699

PM-25BL 30-W/ch Integrated Amplifier
30 W/ch integrated amp features CD/phono direct switch; independent heat sinks; 20-20,000 Hz bandwidth; THD 0.1%; IMD 0.03%. 4.62 x 16.5 x 12 in; 11.7 lb $299

PM-65AVBL 65-W/ch Integrated Amplifier
65 W/ch integrated amp features CD/phono direct switch; 3 monitor loops; 4 position record out; video switching; 20-20,000 Hz bandwidth; total harmonic distortion 0.03%; intermodulation distortion 0.03%. 5.37 x 16.37 x 14.37 in; 22 lb $499

MISSION ELECTRONICS

Cyrus II 60 W/ch Integrated Amplifier
Integrated amp with high peak current delivery. Non-magnetic, precision fabricated die-cast alloy case and chassis; separate listen and record selectors; inputs for CD, tuner, hi-fi, video, tape recorder, and MM and MC phono cartridges; direct connected, front panel mounted headphone socket without loudspeaker swithching; metal film resistors; polypropylene capacitors; polystyrene capacitors; drives any loudspeaker load; fully compatible; FR 20-20,000 Hz; S/N 83 dB; 8.5 x 3 x 13.5 in; 5 kg. $799

Cyrus I 30 W/ch Integrated Amplifier
Integrated amp with high current delivery. Non-magnetic, precision fabricated die--cast alloy case and chassis; separate listen and record selectors; inputs for CD, tuner, hi-fi, video, tape recorder, and both MM and MC phono cartridges; direct connected, front panel mounted headphone socket without loudspeaker switching; close-tolerance metal film resistors, polypropylene capacitors, polystyrene capacitors; fully compatible; 8.5 x 3 x 13.5 inches; 9 pounds $499

NAD

3400 Monitor Series Integrated Amplifier
Full remote control; 100 W/ch; power envelope circuitry; +6.2 dB dynamic headroom; bridgeable; lab input; pre-amp out/main in; semi-parametic tone controls; Soft Clipping; bass EQ; rack mountable$798

3240 PE Integrated Amplifier
40 W/ch; +6 dB dynamic headroom; power envelope circuitry; bass EQ; speaker imp selector; high current; Soft Clipping. $398

3225PE Integrated Amplifier
25 W/ch; power envelope circuitry; 85 W IHF dynamic power; +4 dB dynamic headroom; Soft Clipping; discrete 4 transistor phono pre-amp; pre-amp out/main amp $248

NEC

A-910 Integrated Amplifier
Features unified remote control that can operate other NEC audio and video components; inputs for MM/MC phono, tuner, CD player, tape deck, AUX, TV and VCR sound sources; independent record and input selectors for listening to one source while recording another; mute switch; bass and treble controls; bipolar power supply for video output to keep degradation of video signal to a minimum. 100 W/ch into 8 ohms from 20-20,000 Hz with 0.006% THD, 130 W/ch into 4 ohms; dynamic headroom 2 dB; frequency response 10-40,000 Hz ± 1 dB. 17 x 5.1 x 13.4 in $649

AV-360 Integrated Amplifier
Remote-controlled integrated amp with built-in Dolby, hall, matrix, and synthetic stereo surround-sound processors. Features image enhancer; surround indicator; 30 watts per channel into each of 4 channels in normal mode $649

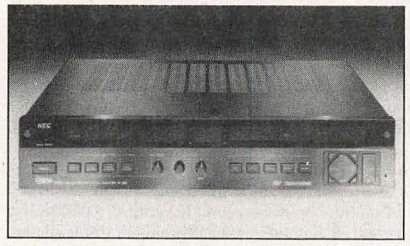
AV-350 Integrated Amplifier
Remote-controlled integrated amp with built-in Dolby, hall, and matrix surround-sound processors. Features 16-bit digital delay; simulated stereo from mono sources; 3 volume/balance presets; video image enhancer; separate front and rear tone controls; a master volume control; front/rear volume control; front-left, front-right, rear-left, and rear-right volume controls; 4 built-in amplifiers that can be bridged into 2. Inputs for 2 audio and 4 video sound sources. 30 W/ch x 4 ch, 60 W/ch bridged. 17 x 4.3 x 13.4 in; 21 lb. $579

AV-330 Integrated Amplifier
Integrated amp with 24-key infrared wireless remote control. Features built-in Dolby, hall, and synthetic stereo surround-sound effects; digital delay circuit; 4 amplifiers: 30 watts per channel for front speakers, 15 watts per channel for rear speakers; 3 memory presets; visual channel balance display; input levels and balance controls; audio/video input/output array; high-cut filter; bass-emphasis switch; headphone output $499

A-610 Integrated Amplifier
Features unified remote control that can operate other NEC audio and video components; inputs for MM/MC phono, tuner, CD player, tape deck, AUX, TV and VCR sound sources; independent record and input selectors for listening to one source while recording another; mute switch; bass and treble controls. 60 W/ch into 8 ohms from 20-20,000 Hz with 0.006% THD, 80 W/ch into 4 ohms; dynamic headroom 2 dB; FR 10-40,000 Hz ±1 dB. 17 x 5.1 x 13.4 in $469

AVA-505 Integrated Amplifier
Integrated amplifier designed for dynamic surround-sound and Dolby Pro-Logic. Features 3- or 5-channel amplification; high dynamic power (222 W total); all IC construction; separate volume controls for front, surround, and center; built-in speaker protection relay. 5-channel amplification: 30 W x 4 and 60 W x 1 (center). 3-channel BTL-mode amplification: 60 W x 3. 0.03% THD; S/N 90 dB. 17 x 4.3 x 13.4 in; 20.3 lb $449

AV-260 Integrated Amplifier
Remote-controlled integrated amplifier with built-in Dolby, hall, and matrix surround-sound effects.

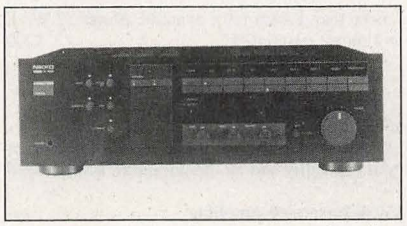


Features 3 memory presets; separate left and right input level controls; audio and video input/output array; 30 W/ch $349

Renaissance Series
PLA-610 Integrated Amplifier
Remote-controlled integrated amp with built-in Dolby Pro-Logic, hall, matrix, and concert surround-sound processors. Features 16-bit digital delay circuit; 3-position sound memory function; pre-out, main-in, and monaural-out terminals; 2 audio/video inputs/outputs; 2 audio/video inputs; 1 audio input/output; 1 audio input; 1 center out; 2 monitor outputs; 1 monaural output. $599

NIKKO AUDIO

IA-600 Integrated Amplifier
Integrated amp with 120 W/ch FTC into 8 ohms. Features 1.76 dB headroom; 5-60,000 Hz power bandwidth; 10 inputs for CD, tuner, phono, aux, tape



1 & 2, video 1 & 2, signal processor, CD direct; permits any source to be routed to all 4-outputs and allows listening to one source while recording another; RCA connectors for pre-out and main-in; MM or MC selectors, 20 dB muting; subsonic filter; stereo/mono switch; bass, treble and balance knobs are back lit; THD .003% dB; FR 5-100,000 Hz $660
IA-400. Similar to IA-600 but 80 W/ch FTC at 8 ohms; power bandwidth 10-70 kHz $530

ONIX AUDIO BY MUSIC HALL

OA21 50-W/ch Integrated Amplifier
Inputs for MM or MC phono, tape, CD player, tuner; 300 VA toroidal input transformer; 20,000 μfarad capacitors; MM or MC board. 50 W/ch into 8 ohms; FR 15-40,000 ±3 dB; 15 x 3 x 9 in; 11 lb $775

OA20 35-W/ch Integrated Amplifier
Inputs for MM, CD player, tuner, and tape. 35 W/ch $375

ONKYO

Grand Integra A-G10 Integrated Amplifier
Features linear 18-bit D/A converter; 150 W/ch rms; dual mono design with real phase power supplies; Opto-Drive power supply for differential amp; 8-times-oversampling digital filter; separate left and right Opto-Drive D/A converters; opto-coupling; optical and coaxial digital outputs; absolute analog phase reversal; source direct mode; remote control; wood sidepanels $1,100

A-8800 Integrated Amplifier
Features linear 18-bit DA converter; 100 W/ch rms; low-imp drive discrete output section; Opto-Drive power supply for differential amplifier; quadruple-oversampling digital filter; separate left and right Opto-Drive D/A converters; optical and coaxial digital inputs; pre-out/main-in terminals $900

A-8190 Integrated Amplifier
Features real-phase power supply; full audio and video input switching; 6 audio and 2 video inputs including MM/MC phono; direct CD input with gold-plated terminals; direct tone control with contrabass; pre-out terminals; dubbing capability; heavy-duty speaker terminals. 100 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.008% THD; dynamic power 303 W/ch into 2 ohms, 235 W/ch into 4 ohms; 150 W/ch into 8 ohms; frequency response 2-50,000 Hz +0, −1 dB $530
CW-A90. Optional woodgrain side panels for A-8190. ..... $70

A-8170 Intergrated Amplifier
Integrated ampiifier features super-servo and delta power supplies; full audio and video input switching; 6 audio and 2 video inputs including moving magnet/moving coil phono; direct CD input; direct tone controls with contrabass; heavy-duty speaker terminals. 80 W/ch min root mean square into 8 ohms from 20-20,000 Hz with no more than 0.008% THD; dynamic power 224 W/ch into 2 ohms, 170 W/ch into 4 ohms, 115 W/ch into 8 ohms; frequency

response 2-50,000 Hz +0, −1 dB. 17.12 x 5.81 x 15.31 in; 24.7 lb $420

A-8150 Integrated Amplifier
Features delta power supply; seven audio inputs including MM/MC phono; CD direct input; selective tone control; off, A/B, and A + B speaker selection; discrete output stage. 60 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.06% THD; dynamic power 135 W/ch into 2 ohms, 110 W/ch into 4 ohms, 78 W/ch into 8 ohms; FR 1.5-30,000 Hz ±1 dB. 17.12 x 4.31 x 10.69 in; 15.4 lb..... $280

PHILIPS

FA 860 Integrated Amplifier
High current/low impedance drive capability; FTC rated at 65 watts, 80 watts; dynamic power 90 watts, 150 watts, 180 watts; separate power supplies and heat sinks; 4 gang volume control; CD Direct and 6 other inputs; gold plated terminals for CD Direct and phono input; phono amplifier for either MC or MMcartridge; equalization curve to IEM standard; active tone control; parallel, selectable loudspeaker outputs for each channel; muting/protection circuit; source and tape selected display; metal cabinet; headphone output; gold-plated speaker relays; loudness and mono switches; 2 tape monitors; tape copy keys; slide balance control; bi-polar push-pull output stages. Output power 8 ohms; THD 0.008% at 65 watts at 8 ohms (1 kHz); IMD 0.03% at 65 watts at 8 ohms; linear inputs FR 18-70,000 Hz ±1.0 dB; equalized inputs FR 40-20,000 Hz ±1.0 dB; S/N CD Direct 106 dB. 4.5 x 16.5 x 13 in..... $439

FA 960 Integrated Amplifier
High current/low impedance drive capability; FTC rated at 100 watts, 125 watts; dynamic power supplies and heat sinks for each channel; CD Direct function and 6 other inputs; Record Selector for parallel recording; Tone Defeat key to bypass bass and treble controls; gold plated terminals for CD Direct and Phono inputs; high accuracy phono amplifier for either MC or MM cartridges; equalization curve to IEC standard; active tone control; parallel, selectable loudspeaker outputs for each channel; muting/protection circuit; source and tape selected display; metal cabinet; headphone output; gold plated speaker relays; loudness and mono switches; 2 tape monitors; tape copy keys; slide balance control; bi-polar push-pull output stages. Output power 8 ohms; total harmon-ic distortion 0.008% at 100 watts at 8 ohms (1 kHz); intermodulation distortion 0.03% at 100 watts at 8 ohms; line inputs frequency response 18-70,000 Hz ±1.0 dB; pho-no input frequency response 40-20,000 Hz ±0.5 dB; signal-to-noise ratio CD Direct 106 dB. 5.75 x 16.5 x 13.25 inches $549

PIONEER

Elite A-91D Digital Integrated Amplifier
Integrated amplifier with digital circuit for CD's. Features line direct switch; non-resonating frame chassis, insulators, and heat sink; non-switching circuit type III; separate voltage- and current-amplifying stages; 2 high capacity, magnetically-shielded transformers; independent digital conversion circuitry; dual digital-to-analog converters; digital filter; quadruple-oversampling; analog low-pass filter; six digital inputs (two optical); three digital outputs (one optical); optical transfer distortion canceller $1,600

VSA-910 Integrated Amplifier
Integrated amplifier with continuous average power output of 100 watts per channel minimum at 8 ohms from 20-20,000 Hertz with <0.005% total harmonic distortion. Features surround sound mode with continuous average pow-er output of 70 W/ch in front speakers, 30 W/ch in rear; non-switching circuit type II; Dolby, stadium, and simulated surround with digital delay; 4 video inputs; split-screen video enhancer; programmable smart remote; acou-stic memory; Super Bass $830

A-717 Integrated Amplifier
Integrated amplifier with continuous average power output of 100 W/ch min at 8 ohms from 20-20,000 Hz with < 0.003% THD. Features non-switching circuit type III; separate voltage- and output-amplifying stages; separate circuit blocks; anti-resonance, anti-vibration design; line direct switch; 8 inputs; hybrid booster for MC cartridges; independent power switch for phono; gold-plated phono and CD inputs. 17 x 6.25 x 16.75 in; 41 lb, 14 oz $750

PROTON

D540 Integrated Amplifier
High-current, high-dynamic power amplifier with Dynamic Power On Demand (DPD). Features phono section with MC and MM phono selections; active volume control; anti-clipping circuit. 40 continuous W/ch from 20-20,000 Hz; FR 20-20,000 Hz ±0.2 dB; S/N 85 dB (unweighted), 105 dB (A-wtd); dynamic headroom 6 dB; dynamic power rating: IHF 20 ms at 8 ohms is 160 W, 4 ohms 280 W, 2 ohms 380 W; 100 ms duration 8 ohms is 150 W, 4 ohms 220 W, 2 ohms 230 W; 200 ms 8 ohms is 150 W, 4 ohms 190 W, 2 ohms 200 W. 16.5 x 3.5 x 12.5 in; 19.14 lb $319

AM-300 Integrated Amplifier
30 W/ch integrated amp with DPD for 6 dB of headroom and a dynamic power rating at 8/4/2 ohms of 120/200/220 W. Features low imp drive capability; remote control; low-noise MC amp; selectable MC/MM input. THD 0.01%; damping factor 90 dB; line input sens 150 mV; line input imp 47K ohms/220pF; phono input sens MM/MC 2.5/0.25 mV; phono input imp MM/MC 47K ohm/100 ohm; crosstalk at 1,000 Hz is 75 dB; S/N 100 dB for tape and video... $289

AM-200 Integrated Amplifier
20 W/ch integrated amp with up to 52 W of dynamic power at ohms with 0.15% THD. Features low imp drive capability; bass EQ; selectable phono preamp load capacitance for any MM cartridge; cassette deck loop. IMD 0.15%; damping factor >150; FR 20-20,000 Hz ±0.2 dB; S/N 102 dB. 16.5 x 3 x 10 in; 11.4 lb$249

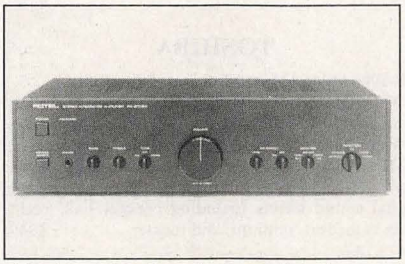
REALISTIC

SA-150 Stereo Mini Amplifier
Inputs for tuner, tape deck, turntable. Mono/stereo button; tone control; headphone jack; walnut-grain vinyl. 9 x 2.5 x 6 in $60

SA-10 Stereo Micro Amplifier
Inputs for ceramic phono, tuner, tape deck. Stereo-/mono button; tone control; L/R volume control. 7.9 x 3.25 x 5.5 in..... $30

ROTEL

RA870BX Integrated Amplifier
Integrated amp with 100 W/ch from 20-20,000 Hz



bridgeable to 300 W. MC input; CD direct input with level control; high current. 0.03% THD; 0.05% intermodulation distortion $649

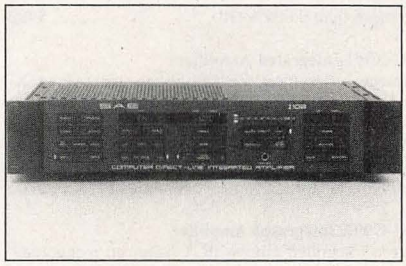
RA840BX2 Integrated Amplifier
50 W/ch 20-20,000 Hz; Upgraded power supply with metal bypass caps. Close tolerance selected components; high tolerance; 0.05% THD; 0.08% IMD; MM/MC phono inputs; high current $379

RA820BX2. Similar to RA840BX2 except no MC phono and 30 continuous W/ch from 20-20,000 Hz with no more than 0.05% THD into 8 ohms; IMD 0.08%..... $279

RA840BX3 Integrated Amplifier
50-W/ch amplifier with 3 gain stage front end; close tolerance selected components; high current design MC $399

SAE

I102 Integrated Amplifier
60 W/ch integrated amp with on board computer to eliminate dependency between front-panel control switches and audio circuits. Max THD from 20 Hz-20,000 Hz 0.025% at full rated power both ch driven. All controls are grouped together by function with alphanumeric and digital LED display for input



functions, tone settings and volume level. Features 2-way tape copy; external loop; MM & MC phono inputs; 3 programmable digital tone memories; sequential audio muting (fade out/in when switching inputs); high-current power-amp stage; peak/average LED power display $499

SHARP

Optonica SM-A75 A/V Surround-Sound Integrated Amp
Features 11 surround effects; 3 user-programmable modes; 35 W/ch,*4 ch system; 2 monitor output controls; FL display; Super Bass; A/V cross playback; wireless remote control; adjustable time delay; adjustable feedback level; dubbing selection; 9 audio inputs/5 video inputs; 3 audio outputs/4 video outputs. signal-to-noise ratio 89 dB (75 dB phono); IMD 0.8%; CD frequency response 15-30,000 Hz in front, 15-17,000 Hz in rear $600

SHERWOOD

AI-1210R Integrated Amplifier
Features surround sound; full-function infrared wireless remote control; video sound input; loudness control; direct switch; low-noise phono amplifier; subsonic filter; 100 watts per channel; headphone input jack; peak power indicator; mute switch; intermodulation distortion 0.04%; signal-to-noise ratio 79 dB; frequency response 8-70,000 Hz; 5.1 x 17.3 x 13.0 in $449



AI-1110 Integrated Amplifier
Features surround sound; video sound input; loudness control; direct switch; 50 watts per channel; low-noise phono amplifier; rotary-type volume control; intermodulation distortion 0.1%..... $219

SANSUI

AU-X901 Integrated Amplifier
Vintage series stereo integrated amp with Alpha X-balanced technology. Features direct-balanced input for Sansui CD players; independent record selector with OFF position; power amp direct connection; high-gain phono EQ for MM and MC cartridges with FET input; bass and treble controls; selectable bass turnover; gold-plated input/output terminals; A-B speaker switching; subsonic filter; loudness contour; ext processor loop. Inputs for phono; tuner; tape; tape 2; tape 3; tape/DAT; CD player; tuner. 130 continuous average W/ch from 10-20,000 Hz with no more than 0.003% THD into 8 ohms, S/N 120 dB; MM phono sens 2.5 mV/47k ohms. Slew rate ±200V/μsec; 17.63 x 6.31 x 17.38 in;44.1 lb; black finish $1,000
AU-X701. Similar to AU-X901 except 100 W/ch into 8 ohms with no more than 0.003% THD..... $700
AU-X501. Similar to AU-X701 except 80 W/ch with no more than 0.005% THD $400

AU-X301 Integrated Amplifier
Vintage series integrated amplifier with Alpha X-balanced technology. Features high-gain phono EQ for MM and MC cartridges; independent record selector; subsonic filter; A-B speaker switching. 65 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.05% THD $300

AU-G99X Integrated Amplifier
Stereo integrated amp with X-balanced technology. Features FL peak power level indicators with meter range switch; MC cartridge preamp; bass, treble, and midrange tone controls; tone-defeat switch; bi-directional tape dubbing with REC selector; low/high filters; muting switch; loudness switch; headphone jack; connections for 2 pairs of speakers. 160 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.003% THD; S/N 110 dB (line), 88/70 dB (MM/MC phono)..... $1,000

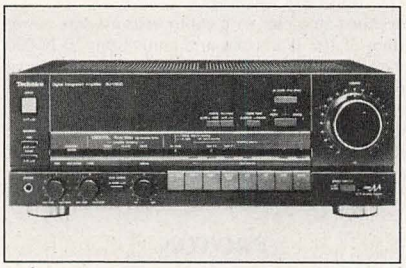
SONY

TA-F700ES 105-W/ch Integrated Amplifier
Features nonmagnetic G-chassis construction; spontaneous twin-drive power supply; super legato linear circuitry; source direct switch to route input signal directly to volume control; passive tone-control circuitry with switch-selectable bass and treble turnover frequencies; defeatable subsonic filter; inputs for 3 tape decks with dubbing capabilities, MM/MC phono, CD player, tuner, and AUX signal; independent record output selector for taping one signal while listening to another; A-B, A+B speaker switching. 105 continuous W/ch into 8 ohms with 0.004% THD, 140 W/ch into 4 ohms with 0.008% THD. 17 x 6.38 x 17.25 in; 40 lb..... $700

TA-F500ES 80-W/ch Integrated Amplifier
Features nonmagnetic G-chassis construction; spontaneous twin-drive power supply; super legato linear circuitry; source direct switch to route input signal directly to volume control; passive tone-control circuitry; defeatable subsonic filter; inputs for 3 tape decks (2 video); MM/MC phono, CD player, tuner, and AUX signal; independent record output selector for taping one signal while listening to another; A-B, A+B speaker switching. 80 continuous W/ch into 8 ohms with 0.006% THD, 100 W/ch into 4 ohms with 0.01 THD. 17 x 5.75 x 14.75 in; 29 lb $500

TECHNICS

SU-V90IQ 100-W/ch Digital Integrated Amplifier
Digital integrated amplifier that accepts optical or coaxial digital outputs from CD players and other digital equipment; 4-DAC 18-Bit high resolution internal digital signal processing; 100 W/Ch at 0.002% THD into 8 ohms, both channels driven from 20-20,000 Hz; 4 D/A; quadruple-oversampling digital filter; automatic switching between sampling frequencies; subsonic filter; direct digital operation mode..... $1,100



SU-V10X 120-W/ch Integrated Amplifier
Features separate record and input selectors and A/V terminals. Inputs for MM phono; MC phono; tuner; tape; tape 2; aux; phono 2; CD player; DAT deck; VCR; TV; tuner. 120 W/ch into 8 ohms; 29.8 lb; 16.94 x 5.8 x 15.41 in..... $820
SU-V7X. Similar to above except 100 W/ch into 8 ohms; 24.3 lb $625

SU-AV55 50-W/ch A/V Integrated Amplifier
A/V integrated amplifier with digital Dolby surround-sound. Features digital low-bass synthesis with level control; wireless remote control; S-VHS input/output terminals; 3 A/V inputs; 7 audio inputs; video out and S-VHS video out; FL display; stereoplex simulated stereo. Front: 50 W/ch, both channels driven into 8 ohms from 20-20,000 Hz with less than 0.02% THD. Rear: 10 W/ch both channels driven into 8 ohms from 20-20,000 Hz with less than 0.09% THD..... $800

SU-V650 90-W/ch Integrated Amplifier
Integrated amplifier with moving coil and moving magnet phono inputs. Features class AA operation; tone control defeat switch; subsonic filter; 4-input selector with LED indicators; 2 tape loops; record out selector; CD-direct operation; 90 W/ch $500



SU-V450 50-W/ch Integrated Amplifier
Integrated amplifier rated at 50 W/ch, both channels driven into 8 ohms, from 20-20,000 Hz with <0.003% THD. Features phono EQ section; class AA operation; tone control defeat switch; 4-input selector with LED indicator; 2 tape loops; CD-direct operation $360

TOSHIBA

XB-1000 Digital Sound Integrated Amplifier
A/V digital surround-sound processor and controller. Features 10 audio inputs; 4 video inputs; numerous A/V cross-play options; inputs include 2 tape decks, 2 VCR's, CD player, DAT deck, television; 125 W/ch stereo, 50 W/ch Dolby surround; remote control; 12 digital sound effects including concert hall, night club, cathedral, stadium, and theater $949

VECTOR RESEARCH

VA-1400 100-W/ch Integrated Amplifier
100-W/ch high-current integrated amp with 8 output transistors. 200 W/ch with optional VA-1450 bridging amp. Inputs for MM phono; MC phono; tape; CD; video sound source. 100 continuous average W/ch from 20-20,000 Hz with <0.08% THD into 4 ohms; dynamic headroom 2.5 dB; IHF IMD 0.08%; FR 10-40,000 Hz ±1 dB. 17 x 3 x 12 in; 20 lb $350

YAMAHA

AX-900U Integrated Amplifier
Integrated amplifier with independent preamp-/power amp configuration. Features absolute linear amplification; high dynamic power; low-impedance drive capability; CD direct position; continuously variable loudness control; preamp in/main amp out terminals; dual record-out selectors. 130 W/ch min rms into 8 ohms from 20-20,000 Hz with less than 0.005% THD. Black; 42 lb..... $749-

AVX-1009 Integrated Amplifier
Master A/V control amplifier with 10 audio and 6 video inputs. Features S-VHS terminals; switchable 4 channel (65 W/ch front, 14 W/ch rear) or 3 channel (65 W/ch front, 28 W center channel out) operation; bass, midrange, treble, stereo balance and bass extension tone controls; separate rear or center channel volume control; 8 mode digital surround procesor with continuously variable delay including Dolby surround; video enhancer; independent record out selection of video and audio signals; 3-mode superimpose video monitoring; title editing; master volume control; integrated system remote control..... $699

AX-700U Integrated Amplifier
Integrated amplifier with low-impedance drive capability. Features absolute linear amplification; high dynamic power; low-impedance drive capability; CD direct position; continuously variable loudness control; record-out selector; accessory output loop; 3 tape inputs. 110 W/ch minimum root mean square into 8 ohms from 20-20,000 Hz with less than 0.005% total harmonic distortion. With black finish; 29 lb . $599

AVC-50 Audio Video Integrated Amplifier
Master A/V integrated amplifier with built-in surround sound decoder. Features 10 audio and 4 video inputs and outputs; RS integrated system remote control; built-in video enhancer with continuously variable sharpness, detail, and level control; 5 surround modes including Dolby Surround; bass extension control; continuously variable delay time control. 45 W/ch (front), 45 W/ch (rear) min rms into 8 ohms from 20,20,000 Hz with less than 0.05% THD. Black; 18 lb..... $549

AVC-30U Audio Video Integrated Amplifier
Master A/V integrated amplifier with built-in surround sound decoder. Features RS integrated system remote control; audio and video input source selection; independent record out selection of audio and video sources; pre-main coupling loop; 4-channel drive. 100 watts per channel (front), 20 watts per channel (rear) into 8 ohms from 20-20,000 Hertz with less than 0.05% total harmonic distortion. With black finish; 26 lb..... $449

AX-500U Integrated Amplifier
Features absolute linear amplification; high dynamic power; low-impedance drive capability; CD direct position; continuously variable loudness control; record-out selector; accessory output loop; MM/MC phono selector; 2 tape inputs; banana-plug compatible speaker terminals. 85 W/ch minimum root mean square into 8 ohms from 20-20,000 Hz with less than 0.01% total harmonic distortion. With black finish. 18 lb $399

AX-400U Integrated Amplifier
Integrated amplifier with low-impedance drive capability. Features high dynamic power; continuously variable loudness control; pure-current servo phono-EQ amp; moving magnet/moving coil phono selector; banana-plug compatible speaker terminals. 55 watts per channel min-imum root mean square into 8 ohms from 20-20,000 Hertz with less than 0.015 percent total harmonic distortion. With black finish. 16 pounds $289



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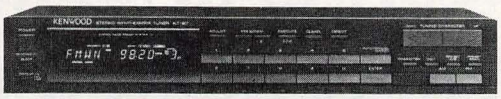
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TUNERS



ACCUPHASE BY MADRIGAL

T-106 AM/FM Stereo Tuner
Quartz-locked synthesis; 14-station random memory; pulse tuning; double-tuned front end; FM stereo demodulator; AM synchronous detector; signal-strength meter; peak-modulation meter; MPX filter; sel switch; muting switch. FM section: 50-dB quieting sens, mono 17 dBf, stereo 17 dBf; S/N 83 dB stereo, 79 dB mono (at 80 dBf A-wtd); FR 10-60,000 Hz +0, −0.5 dB; capture ratio 1.5 dB; sep 50 dB at 1,000 Hz; AM sup 80 dB at 65 dBf. AM section: sens 20 μV/m at 20 dB S/N; 17.5 x 5.06 x 14.56 in $2,000

T-107 Synthesizer FM Tuner
Electronic tuning; 12-station random memory; auto sweep for FM reception; double-tuned front end to reject interference and IMD; differential-gain linear FM detector; IF filters with flat group-delay characteristics; resonator-controlled stereo demodulator; multipath and signal-strength meter; MPX filter; muting switch; champagne-gold or anodized-black finishes. FM section: 50-dB quieting sens 17 dBf; S/N stereo 85 dB; FR 10-16,000 Hz ±3 dB; capture ratio 1.5 dB; sep 50 dB at 1,000 Hz; AM sup 80 dB; adj-ch rej 30 dB. 17.5 x 4.36 x 13 in; 12.8 lb $1,350

ACOUSTIC RESEARCH

AR T-02 AM/FM Tuner
Features infrared remote control of tuning functions; system remote operation; 8 AM/FM station presets; frequency-syntesized tuning; digital frequency display; smooth flywheel-assisted tuning; manual or auto station search. FM section: FM usable sens (mono) 11.2 dBf (2.0 μV); FM 50-dB quieting sens 37.2 dBf (40 μV) stereo, 14.6 dBf (3.0 mV) mono; S/N 75 dB stereo; FR 30-15,000 Hz ±0.5 dB; capture ratio 1.0 dB; sep 48 dB at 1,000 Hz; AM suppression 58 dB; alt-ch sel 60 dB. AM section: FR 60-3,000 Hz ±3 dB. 3.31 x 17 x 13-in. $499

ADCOM

GTP-500 Tuner/Preamplifier
Preamplifier with built-in tuner can be used with Adcom or other power amps. Wireless remote control included. Remote sensors available for remote control from different rooms. Tuner section features quartz-referenced digitally synthesized tuning; auto up and down scan; 8 AM/FM presets; 5-LED signal-strength display; high-blend circuit; 2 sets of outputs (AC coupled, DC coupled). Preamp section features inputs for MM phono; tape; tape 2; CD player; tuner. S/N phono A-wtd 85 dB; IMD preamp 0.0015%; sens tuner 36.5 dBf stereo; THD tuner 0.09% stereo at 1,000 Hz; S/N tuner 75 dB stereo; sep tuner 52 dB at 1,000 Hz. 3.325 x 17 x 12.75-in $600
GTP-500W. As above with white front panel . $650
GTP-500S. With silver front pane $650

GFP-555 AM/FM-Stereo Tuner
Features quartz-referenced digitally synthesized tuning; auto up/down scan; instant-recall preset tuning; fluorescent digital-frequency display; 8 AM/FM presets; 5-LED signal-strength display; switchable high-blend circuit; mono/mute switch; tuning accuracy of 0.00025%. THD stereo 0.07% at 1,000 Hz; 50-dB quieting sens stereo 35.5 dBf; S/N 78 dB stereo; FR 30-15,000 Hz ±3 dB; capture ratio 1.5 dB; sep 53 dB at 1,000 Hz; AM supression 70 dB. 3.25 x 17 x 12.5 -in $500
GFP-555W. As above with white front panel . $550
GFT-555S. With silver front panel..... $550

Accessories
RM-3. Optional rack-mount adaptors for GTP-500 and GFT-500 ..... $20/pr
RM-3W. RM-3 in white $25/pr
RM-3S. RM-3 in silver $25/pr
XR-500. Optional remote sensor for GTP-500 . $90

a/d/s/

CC4 Digital Tuner/Preamp
With microprocessor operating system for remote-control operation, digital volume and tone controls, and alphanumeric display. Remote IR receiver capability for multi-room remote control; RS-232 port for control by personal computer; digital-synthesized tuning with 30 AM or FM stations; optional remote control. Preamp section: max output >7 V rms into 10,000 ohms/1,000 pF; volume and balance control range 80 dB in 1-dB steps; bass and treble control range ±10 dB in 2-dB steps; low bass 0 to +6 dB in 1-dB steps. FM section; sens <13 dBf mono; 50-dB quieting sens <40 dBf stereo; capture ratio <1.5 dB; sel >65 dB; spurious rejection >100 dB; stereo S/N >70 dB; sep at 1,000 Hz >47 dB. AM section; sens for 6-dB S/N <10 μV; IF rejection >50 dB; S/N 44 dB. 2.8 x 17.5 x 14.8-in; 18 lb $1,000

Atelier T2 Digital Tuner
AM/FM synthesized tuner with 16 station presets and auto FM search tuning. Features flywheel manual tuning; fine-tuning control; switchable muting; high-blend control; LED frequency display; center tuning plus signal-strength displays; AC outlets. FM usable sens mono 1.0 μV (11.0 dBf) stereo 5.5 μV (26.1 dBf); stereo 50-dB quieting sens 15 μV (34.8 dBf); S/N mono >70 dB, stereo >65 dB; FR 10-14,500 Hz, +0, -1 dB; ch sep >38 dB at 10,000 Hz; capture ratio <1.8 dB; AM quieting sens <5 μV for 6 dB S/N; image rejection >55 dB; S/N (with 1,000-Hz 5-mV signal) >44 dB; 2.8 x 17.5 x 14.8 -ind; 13.2 lb $539

RC1 Unified Remote Control
Infrared wireless remote controls CC4, R4 receiver, CD3 CD player, and other a/d/s/ components. $150

AKAI

AT-93-B AM/FM Tuner
Quartz digital synthesized AM/FM tuner; 20-station random preset; optimum reception system; automatic select antenna A/B; band width; blend mode and hi-cut mode; open loop DC amp in audio section; resonance-free rigid chassis structure; separate power supply for RF and audio; timer program preset $599

AT-52-B AM/FM Tuner
Quartz digital synthesized AM/FM tuner; 16-station random preset; IF band selector; 5 step signal strength meter; preset station scan $249

ARCAM

Arcam Delta 80 AM/FM Stereo Tuner
AM/FM tuner with 12 presets features classic flywheel-assisted rotary knob for continuous tuning; three-color Traffic Lights FM tuning indicator; signal strength meter; sens 1.4 μV; S/N 70 dB; FR 20-12,000 Hz ±0.5 dB; capture ratio 1.5 dB. 16.93 x 10.43 x 2.36 inches $599

T21 Stereo FM Tuner
FM tuner has both 5 presets and continuously variable tuning. Features bar graph LED frequency scale; signal strength meter; tuning indicator; optional genuine wood veneers in teak, walnut, or rosewood finish; sens 1.3 μV; capture ration 1.5 dB. 17.72 x 9.45 x 2.36 in $399

Arcam Alpha AM/FM Stereo Tuner
AM/FM tuner with flywheel assisted tuning knob and supplied station markers. Features three-color Traffic Lights tuning indicator; stereo beacon; mono switch; AFC switch; sensitivity 1.4 μV; signal-to-noise ratio >68 dB; frequency response 20-12,000 Hertz ±0.5 dB; capture ration 1.5 dB. 15.75 x 9.1 x 3.74 inches $299

AUDIO BY VAN ALSTINE

Transcendence Series Two FM Tuner
FM tuner with discrete audio stage. Features electronic signal seeking; digital readout; 5 non-volatile station presets; mono/stereo switching; variable tuning with between-step capability; isolated active output circuits; all-metal film resistors and capacitors; class-A current-sourced predrivers; separate shunt-regulated and filtered power supply. 17 x 9 x 3 in; 10 lb. $825

Fet Three FM Tuner
FM tuner with Overload-Immune FET integrated circuitry in the audio stages. Features film coupling capacitors; optimized power supply decoupling circuits; electronic signal-seeking; tuning; digital readout; non-volatile station presets; mono-stereo switching; variable tuning; headphone jack. 17 x 9 x 3 in; 9 lb $525

AUDIO DESIGN ASSOCIATES

FM-600A Tuner
Analog FM tuner with 6 presets and digital frequency readout. Features AFC tuning; muting; stereo-blend noise filter; stereo/mono mode all front-panel switchable; signal strength/multipath LED meter; 15-pole IF filter; rear panel left and right output level controls; servo-lock circuitry; standard EIA rack-mountable. FM section: FM usable sens stereo 1.9 mV; 50-dB quieting sens stereo 2.7 mV; THD 0.15% at 1,000 Hz; S/N 65 dB; FR 15-15,000 Hz ±3 dB; capture ratio 1.9 dB; sep 47 dB at 1,000 Hz; adjacent-ch rejection 90 dB 12 lb; 19 x 5.25 x 13 in. $2,395

AUDIO DYNAMICS

T200 AM/FM Tuner
Digital-synthesis tuner with Schotz noise reduction. Features 8 AM/ 8 FM station presets; auto wide/narrow-bandwidth switching; extended AM response; auto station scanning; frequency response 15-15,000 Hz ±0.375 dB; signal-to-noise ratio 77 dB stereo; capture ratio 1.75 dB $429

T2000E AM/FM Tuner
Programmable AM/FM tuner. Features remote-con-

trol; Schotz noise reduction; interference rejection; 10 AM/10 FM station presets; capture ratio 1.5 dB; signal-strength range 25-65 dB; sep 30 dB $349

CAMBRIDGE AUDIO

T75 AM/FM Tuner
Digital synthesis tuner with FM and AM wavebands. Variable bandwidth, 8 presets on FM and AM, dual FM demodulator with linear IF strip $799

T40 AM/FM Tuner
Analog tuner with AM and two FM wavebands. Dual MOSFET tuning head, dual FM demodulator with linear IF strip, pilot tone cancelling stereo decoder and linear phase "Birdie" filter $599

CARVER

TX-11a FM/AM Stereo Tuner
Digital quartz-synthesized tuner with Asymmetrical Charge Coupled FM Detector circuit to reduce multipath distortion while retaining full separation. 13 presets; auto/manual scan; wide/narrow bandwidth selector; antenna. FM section: FM usable sens 1 μV mono; 50-dB quieting sens 3.1 μV; alt-ch sel 110 dB; adj-ch rej 110 dB; capture ratio 1.0 dB; AM sup 65 dB; image, i-f, spurious-response ratio 110 dB. AM section: sep 35 dB; S/N 77 dB $720

TX-2 AM/FM Stereo Tuner
AM/FM tuner with Asymmetrical Charge Coupled FM Detector. FM section: FM usable sens mono 1.8 μV, stereo 4.5 μV; 50-dB quieting sens stereo 5 μV; capture ratio 1.5; sep 43 dB at 1,000 Hz; AM sup 60 dB; alt-ch rej 58 dB; adj-ch rej 28 dB. AM section: sens 250 μV with built-in antenna, 20 μV with external antenna $450

CREEK AUDIO BY MUSIC HALL

T40 FM Tuner
FM tuner with auto mute, AFC, local/DX and narrow/wide switching $425

DAVIDSON-ROTH

Day Sequerra FM Broadcast Monitor
Features spectrum analyzer, audio vector oscilloscope; FM tuning with 1 KHz accuracy, multipath display; RF frequency counter. Fully balanced, dual differential RF signal path with FET circuitry. Modified Travis-Smith detector for flat frequency response over 1.2 MHz deviation bandwidth, reducing stereo distortion to <0.1% at 1 KHz. IHF sens 5.0 dBf mono/15.0 dBf stereo; 50 dB quieting sens 12.0 dBf; S/N 75 dB; FR 30 KHz-15 KHz ±0.5 dB; IMD 0.09%. Rosewood, walnut, and black cabinet types available; 7.38 x 19.5 x 16 in; 45-50 lb $8,500

dbx

TX1 AM/FM Tuner
Features Schotz dynamic noise reduction; auto IF-bandwidth switching; extended NRSC AM response; 6 AM/6 FM station presets; mono and high-blend switches. FM FR 15-15,000 Hz ±0.25 dB; FM S/N 79 dB stereo; capture ratio 1.5 dB; FM sens (75-ohm input) 43.7 dBf (42 μV) stereo with 60-dB S/N. $800

DENON

TU-800 AM/FM Tuner
Features Dynamic-Twin-Drive PLL circuits; 3-step IF bandwidth selection; 30-station random preset memory; MPX-NR switch; high-sensitivity digital synthesis tuning; low-impedance output; auto-scan tuning; quick manual tuning; step manual tuning; last-channel-tuned memory; large FL display. FM 50 dB quieting sens 20 μV (37.2 dBf) stereo, 1.6 μV (15.3 dBf) mono; signal-to-noise ratio 96 dB mono, 86 dB stereo; capture ratio 1.2 dB; AM sup 70 dB. 3.5 x 17.09 x 12.4-in $500

TU-600 AM/FM Tuner
Features dynamic PLL detection with auto bandwidth selection; 20 AM/FM presets with stored bandwidth instruction from each station; low-imp outputs; auto or manual scan. Side panels standard $400

TU-550 AM/FM Tuner
Features front end MOSFET RF; 20-station random preset memory; 2-position IF mode selection; MPX NR switch; auto scan tuning/manual tuning; last-



channel memory; fluorescent display; FM usable sens 0.9μV; S/N mono 84 dB, stereo 78 dB; THD stereo 0.08%; image rejection 45 dB; IF rejection 85 dB; 2.79 x 17.08 x 11.41 in; 6.84 lb $300

TU-450 AM/FM Tuner
Quartz-locked digital tuner features 16 station presets; digital-synthesis tuning; MPX-NR switch; auto-scan tuning; quick manual tuning; manual step tuning; last-channel memory. FM 50 dB quieting sens 23.1 μV (38.5 dBf) stereo, 3.1 μV (21.2 dBf) mono; S/N 80 dB mono, 76 dB stereo; capture ratio 1.5 dB; AM sup 50 dB. 2.75 x 17.09 x 9.37-in $225

DUAL BY ORTOFON

CT5040 AM/FM Tuner
High-performance AM/FM tuner features digital synthesis tuning and 40 AM/FM station presets. Black $220

HAFLER

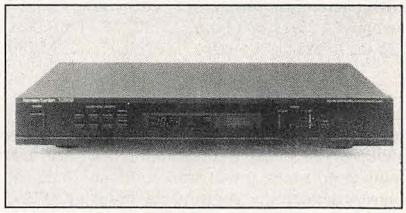
DH-330 AM/FM Tuner
Quartz-controlled tuner provides exact station selection with a digitally synthesized tuning system. Features multipath distortion and noise-sensing circuit; 5-station memory; autosearch; digital read out; nonvolatile memory; 3 dual-gate MOSFET's; 5 tuned front end circuits; triple-tuned RF stage volume control and separate output on front panel for taping or headphones; kit is comprised of 4 fully assembled, tested, and aligned circuit boards which plug together. Usable sens 11.3 dBf; 50-dB quieting sens mono 15.3 dBf, stereo 36.5 dBf; dist. at 1,000 Hz, 100% modulation mono 0.1%, stereo 0.18%; capture ratio 1.5 dB; alternate ch sel 60 dB; sep 45 db at 1,000 Hz; 35 dB at 10,000 Hz; S/N, mono, 72 dB, stereo, 68 dB; assembled $425

HARMAN KARDON

Citation Twenty-Three AM/FM Tuner
16 presets; infrared remote control; mono and mute buttons; LCD readout; Active-Tracking High-Selectivity (Hi Q) Circuit; digital-synthesized quartz-locked tuning; analog fine tuning; flywheel-stabilized tuning knob; seek and manual tuning; anodized brushed aluminum blue/black finish with molded rubber trim; heavy-gauge metal chassis. FM specs: 50-dB quieting sens stereo 15.2 dBf (normal), 19.1 (Hi Q); S/N stereo 75 dB (normal and Hi Q); capture ratio 0.75 dB (normal), 1.75 (Hi Q); alt-ch sel 65 dB (normal), 75 (Hi Q) $649

TU920 Active-Tracking AM/FM Tuner
Active-Tracking High-Selectivity (Hi Q) Circuit; digital-synthesized quartz-locked tuning; all-metal chassis; 16 presets; muting; 2-way seek; manual up/down tuning; 5-LED signal-strength meter; tuned indicator. FM specs: S/N stereo 74 dB (normal and Hi Q); capture ratio 1.3 dB (normal), 2.0 (Hi Q); alt-ch sel 60 dB (normal), 75 (Hi Q) $399
TU911. Similar to above except lacks Active Tracking; signal-strength meter $299

TU909 AM/FM Tuner
Digital-synthesized quartz-locked tuning; 6 AM/12FM presets; bi-directional seek tuning; black-out LCD;



ultrawideband; manual tuning; tuned indicator; stereo indicator; black metal chassis $229

HITACHI

HPT120AVSW AM/FM Tuner/Preamp
Quartz digital-synthesized tuner section; 20 AM/FM presets; unified infrared remote control with LCD display; audio inputs for phono, CD, tape; video inputs for TV, VCR, videodisc player; electronic volume and balance controls; 5-band graphic equalizer; video signal enhancer; rosewood end caps . $450

FT-007SW Quartz Digital AM/FM Tuner
16 AM or FM presets; FCCS designed to eliminate intermodulation and interference; auto quieting control function; signal-locked indicator for FM; 2-pole birdy filters; AM loop antenna; digital display to help position FM antenna; rosewood end caps $350

JVC

FX1100BK AM/FM Tuner
Computer-controlled quartz-PLL digital-synsthesis tuner with Opticalink system for reduced digital noise. Features 40 AM/40 FM station presets; auto memory; preset scan; variable stop level; dB signal-strength indicator; auto QSC; 6-column alphanumeric display; 2 antenna inputs; program memory and monitor for recording off the air unattended; record calibration signal generator $470

FX555BK AM/FM Tuner
Quartz-PLL digital frequency synthesis tuner. Features Opticalink digital noise reduction system; 40 AM/40 FM station presets; preset scan; variable stop level; dB-reference signal-strength indicator; auto memory; preset repeat; preset cancel; multi-mode LCD; AM loop antenna; CATV antenna control unit $240

KENWOOD

KT-990D AM/FM Tuner
Features Pentacle power supply; DLRC (Direct Linear Reception Circuit); DLLD (Direct Linear Loop Director); DCC (Distortion Correcting Circuit); and DPD; usable sens 10.8 dBf; 50 dB quieting sens 16.2 dBf; S/N ratio 78 dB at 65 dBf; THD 0.009% at 1,000 Hz; alt-ch sel 60 dB; FR 20-15,000 Hz ±0.5 dB: 17.31 x 3.06 x 13.06 in; 8.2 lb. $375

Basic KT-880D AM/FM Tuner
Basic series FM tuner with Pentacle Power Supply design. Features Direct Linear Reception Circuit; computer-controlled tuning system; 10-key direct-access tuning; auto/manual digital tuning; wide/nar-

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 217.

row FM IF band selector; rec calibration switch; 20-station presets; FL display. FM 50 dB quieting sens 38.8 dBf (24 μV) stereo; S/N 76 dB at 65 dBf, 83 dB at 85 dBf (stereo); capture ratio 1.0 dB (wide), 2.5 dB (narrow); FR 20-15,000 Hz ±0.5 dB. 17.31 x 3.06 x 12.25 in; 7.7 lb $280

KT-87 AM/FM Tuner
Quartz-synthesis digital tuner; Station Name Preset System (SNPS) for 12 AM/FM presets or 20 presets without SNPS; 2-event programmable timer; 60-minute sleep timer; preset scan; automatic/manual tuning; system remote controllable through KA-127; usable sens 10.8 dBf (0.95 μV); 50 dB quieting sens, stereo 39 dBf at 65 dBf; stereo S/N ratio 73 dB; THD stereo 0.3%; capture ratio 1.2 dB; alt-ch sel 50 dB (±400 kHz); FR 30-15,000 Hz; spurious rejection ratio 80 dB; 6.5 x 16.56 x 9.87 in; 6.2 lb. $189

KINERGETICS

KBT-1 AM/FM-Stereo Tuner
Designed to correct for hysteresis errors in electronics of broadcast station (adjustable correction); circuit designed to compensate for components used in broadcast station's electronics; remote power supply; digital-synthesis tuning; 5 AM, 5 FM presets; scan tuning; selectable IF bandwidth; inputs for 300- and 75-ohm antennas; finished in black or silver-anodized brushed aluminum. FM specs: 50-dB quieting sens 36.0 dBf stereo; THD stereo 0.05% (wide), 0.10% (narrow) at 1,000 Hz, 100% modulation, signal level 65 dBf; S/N mono 75 dB, stereo 70 dB; sep 40 dB (wide), 45 dB (narrow); capture ratio 1.5 dB; alt ch sel 70 dB (narrow), 50 dB (wide); image rej 75 dB; pilot and subcarrier rej 60 dB. AM specs: sens to 6 dB S/N 6.3 μV; image rejection 50 dB; IF rejection 50 dB; FR 4,000 −6 dB. $695

KYOCERA

T-910 Digital AM/FM Tuner
Digital PLL quartz-synthesized stereo tuner. Features Dynamic Noise Reduction; 16 station presets; non-ferrous ceramic base/chassis; 2 FM antennas; computer-programmed narrow/wideband IF selection. FM section: FM usable sens 1.7 μV (9.8 dBf); 50-dB quieting sens mono 3.0 μV (14.8 dBf); THD 0.07%, mono 0.06% at 1,000 Hz; S/N stereo 81 dB, mono 84 dB; capture ratio 1.0 dB; sep 58 dB at 1,000 Hz; AM sup 55 dB; alt-ch rej 85 dB narrow, 40 dB normal. AM section: sens 280 μV with built-in antenna, 10 μV with external antenna; 26.5 lb. $590

LUXMAN

T-111 AM/FM-Stereo Tuner
Remote AM/FM tuner with cable-ready FM fine tuning; unattended program recording; auto-seek AM/FM tuning; auto preset (memory) scanning; 20 random-access AM/FM stations stored in compu-store memory; computer analyzed tuning automatically adjusts internal parameters to optimize performance under variable reception conditions. FM usable sens 10.8 dbf; 50 dB quieting sens mono 19.0 dbf, stereo 38.0 dbf; S/N ratio mono 75 dB, stereo 70 dB; THD 0.2%, mono 0.15% (at 1,000 Hz); separation 50 dB (at 1,000 Hz); capture ratio 1.3 dB (at 65 dBf & 98.1 mHz). $300

MARANTZ

ST 54 AM/FM Stereo Tuner
Quartz-locked digital frequency synthesis tuner. Features 24-station preset memory (16 FM/8 AM plus bandwidth setting for each preset); retains memory for 2 weeks without AC or battery; switchable wide/narrow bandwidth. $780

ST-432 AM/FM Tuner
Quartz-digital synthesized AM/FM tuner. Features 24 random-access preset station memories; remote control; last-tuned station recall; non-volatile memory insures against power failure; THD 0.25%; alt-ch sel 55 dB; rejection ratio 60 dB $115

McINTOSH

MR-7082 AM/FM Tuner
AM/FM tuner with Signal Locked Loop tuning system. Features electronic memory for 7 AM and 7 FM stations; digital frequency readout; DMOS-FET RF amplifier; double-balanced mixer; PLL MPX decoder; audio output suppression circuits for 19 kHz and 38 kHz carrier; LED tuning meter; electronically regulated power supply; internal audio processor; memory search; wide-band AM; remote control interface. FM section: sensitivity mono 13 dBf (1.3 V) for 30 dB of quieting; signal strength for 50 dB of quieting, 18/36 dBf mono/stereo; capture ratio 1.5 dB; IMD 0.08% from 20-15,000 Hz with 100% modulation or less; alt ch sel 55 dB; sep 50 dB at 1 kHz; FM suppression 60 dB; image rejection 90 dB. AM section: sensitivity 35 V; S/N 55 dB IHF, 65 dB at 100% modulation; THD 0.2% at 30% modulation; sel 40 dB IHF; IF response 90 dB. Power requirement 120 V 50/60 Hz 10 W. 16 x 5.44 x 13 in. $1,499

MERIDIAN BY MADRIGAL

204 FM Stereo Tuner-Timer
Instant access to 18 preset stations; scan tuning; manual tuning in 50-kHz steps; displays frequency, preset number, signal strength, or time; battery backup; timer controls 200 system. 50-dB quieting sens 23 μv stereo; sel 56 dB; capture ratio 1.5 dB; AM sup >55 dB $1,100
209. Remote master control works with 204 and other Meridian 200-series components; selects FM stations; controls 8 inputs, volume, and mute; needs 9-V battery $150

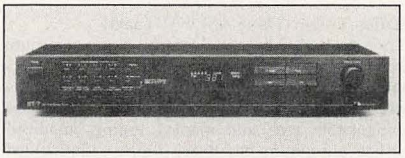
NAD

4300 Monitor Series Tuner
Features digital frequency synthesis tuning; 55 decibels stereo separation; 80 dB selectivity; 120 dB image rejection; S/N ratio exceeds 80 dB; 8 AM/FM presets; IF wide/narrow; FM noise reduction; rack mountable. $598

4225 Tuner
14 random AM/FM presets; ultralinear IF filters; switchable blend circuit; S/N ratio exceeds 75 dB$248

NAKAMICHI

ST-7 AM/FM Stereo Tuner
Tuner with Schotz noise reduction. Features signal/multipath meter; 16 station presets; output level controls (R + L independent). FM IHF sens mono 1.7 μV (10 dBf), stereo 3.9 μV (17 dBf); FM usable sens



mono 1.7 μV (10 dBf), stereo 3.9 μV (17 dBf); 50-dB quieting sens mono 2.7 μV (14 dBf), stereo 14 μV (28 dBf); THD stereo 0.08%, mono 0.06% at 1,000 Hz; S/N 76 dB stereo, 80 dB mono; FR 20-15,000 Hz ±1 dB; capture ratio 1.9 dB; sep 55 dB at 1,000 Hz; AM suppression better than 60 dB; alt-ch rejection >60 dB. 17.12 x 2.5 x 11.37 in; 10 lb, 6 oz. $725

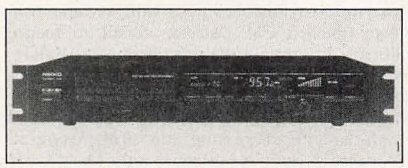
NEC

T-710 Digital AM/FM Tuner
Computer-controlled quartz-PLL digital-synthesis tuner with 16 AM/FM station presets. Features auto scan; preset scan; selectable (wide, narrow) IF bandwidth; FL frequency readout; low-noise dual-gate MOSFET front end; multiplex stereo decoder with a pilot canceler and active filter; static-resistant low-imp AM loop antenna; ladder IF filter. Remote controllable when used with NEC unified-remote integrated amplifiers. FM usable sens 10.8 dBf (1.9 μV). 17 x 3.2 x 10.8 in $299

T-610 Digital AM/FM Tuner
Digital quartz-PLL frequency-synthesis tuner with 16 AM/FM presets. Features auto seek; memory backup; ceramic IF filters; LED signal-strength meters; MPX filter; auto scan; low-noise junction FET. Alt. ch. selectivity 60 dB; stereo separation 0.3%; S/N 50 dB; image rejection 38 dB $229

NIKKO AUDIO

Gamma-400 Tuner
Variable high-blend control tuner with memory scan. Features 10 FM and 10 AM presets; muting; narrow/wide IF band selector; seek; auto/manual tuning;



220k microfarad capacitor for power back up; sens 9.2 dBf; sel 80 dB; sep 60 dB; S/N 86 dB; FR 30-15,000 Hz +1 dB; 19″ rack mountable $440
T-400. Identical to Gamma-400 but it is standard 17.25″ width $420

ONIX AUDIO BY MUSIC HALL

BWD1 FM Tuner
Designed for high sensitivity, capture ratio and AM suppression $885

ONKYO

Grand Integra T-G10 FM Tuner
FM tuner with 5-mode APR system. Features 20-station random memory with battery-free backup; ultra high sensitivity; chassis damping; dual-antenna inputs; cable FM tuning capability; timer-controlled program preset capability; remote capable with supplied controller; wood side panel $850

T-9090 MKII FM Tuner
Remote-controlled ultra-high-sensitivity FM tuner with computer-controlled APR to automatically or manually adjust for stereo/mono, local/DX, high-blend, wide/narrow/super-narrow bandwidth, and A/B antenna switching. Features multi-function digital display; digital readout of signal strength in dBf; 20 station presets; preset scan; auto memorization; timer programming; motorized output level control. Cable ready $750

T-4087 AM/FM Tuner
Tuner with automatic precision reception system to control 4 modes (stereo-muting on/mono-muting off, auto high-blend on/off, local/DX, and IF bandwidth wide/narrow). Features 4 separate power supplies for RF amp, IF amp, demodulator, and multiplex decoder; 20 AM/FM station presets; battery-free memory backup; MOSFET RF amp front end; PLL demodulator. Black finish only. Wood side panels included. FM usable sens 17.2 dBf (2 μV) stereo; 50-dB quieting sens 36 dBf (17 μV) stereo; S/N 77 dB stereo; FR 30-15,000 Hz ±1 dB; capture ratio 1 dB. 18.25 x 3 x 14.62 in; 12 lb. $420

T-4150 AM/FM Tuner
Computer-controlled quartz-synthesized AM/FM tuner with 3-mode APR, 20 station presets, high-blend override, and multi-PLL. FM usable sens 17.2 dBf (2 μV) stereo; 50-dB quieting sens 36.1 dBf (35 μV) stereo; capture ratio 1.3 decibels (wide); FM frequency response 30-15,000 Hz +0.5, −1 decibels. 17.2 x 2.75 x 14.5 inches; 8.2 pounds $320

T-4120 AM/FM Tuner
Digital quartz-synthesized AM/FM tuner with 16 station presets. Features digital frequency display; battery-free memory backup; stereo/mono switch; mute on/off; memory and signal-strength indicator. FM usable sens 17.2 dBf (2 μV) stereo; 50-dB quieting sens 36.1 dBf (35 μV) stereo; capture ratio 1.5 dB (wide); FM FR 30-15,000 Hz ±1.5 dB. 17.2 x 2.81 x 10.56 in; 6 lb. $210

PARASOUND

T/DQ-260 Digital Quartz Tuner
Quartz referenced, digitally synthesized tuner features 16 presets, 8 AM/8 FM; scan/manual tuning; mono mode switch; PLL tuning; regulated power supply; all metal chassis and panel; sep 50 dB; THD <0.1%; FR 20-15,000 Hz ±0.5 dB; channel selectivity 66 dB; 17.25 x 2.5 x 9.5 in $285

TU3 PLL FM Tuner
5-section tuned-Varicap RF section; microprocessor-controlled digital tuning; linear phase filters in IF stage; switchable de-emphasis. S/N stereo 68 dBA (at 65 dBf), usable sens stereo 35.8 dBf (17 μV); THD stereo 0.14%; FR 15-30,000 Hz ±0.5 dB; capture ratio 1.5 dB; de-emphasis 25 μs, 50 μs, 75 μs (switchable). 1.75 x 19 x 13.5-in; 13.5 lb $1,100

PHILIPS

FT 565 Digital-Synthesis Tuner
Quartz-locked digital synthesis tuner with 24-station random memory; 2-level automatic search tuning; multi-functional LCD display; 5-bar LED signal strength indicator; FM noise reduction; optional remote control; low-noise Tetrode MOSFET front ends, with intrinsic high linearity handle strong signals without distortion, and receives weak signals clearly; FM mixer oscillator is buffered to suppress radio interference; 75 ohm coaxial and 300 ohm balanced inputs accept any type of FM aerial input. Wave range 87.5-108 MHz; sens at 75 ohm, mono 26 dB S/N 1.3 μV at 75 kHz deviation; stereo 46 dB S/N 25 μV at 75 kHz deviation; THD mono/stereo 0.2%/0.5%; FR 30-15,000 Hz +0.5 -2 dB; IF suppression 80 dB; audio output 1000 mV. 60/66 x 420 x 260 mm; 3 kilograms $259

PIONEER

Elite F-91 Digital-Synthesizer Tuner
Digital AM/FM tuner. Features ARTS (Active Real-Time Tracing System) with active IF filter; digital decoding; 4-ganged tuning capacitor; MOSFET circuit; 24 AM/FM station presets; 3-position muting level; remote compatible; honeycomb chassis. THD 0.02%; alt ch sel 85 dB; S/N 88 dB. $550

F-717 Digital Direct Decoder AM/FM Tuner
Digital-processing tuner. Features electronic twin-varicaps; Pulse-Swallow frequency synthesis; 16 random AM/FM presets; large-loop AM antenna; FET buffer; 3-point signal indicator; AM stereo adaptor terminal. FR 20-15,000 Hz; alt ch sel 56 dB; sep (at 1 kHz) 60 dB; capture ration 1.0 dB $325

F-551 AM/FM Tuner
AM/FM tuner with quartz-PLL tuning. Features CCTS (Computer-Controlled Tuning System); hi-blend circuit; 3-speed search; 24 random AM/FM presets; digital readout of signal strength; digtal frequency display; remote-control capability. FR 30-15,000 Hz; alt ch sel 65 dB; sep (at 1 kHz) 40 dB. $170

PROTON

440 Digital Tuner
Schotz AM/FM tuner with Schotz Noise Reduction. Features digital station readout; 12 station presets; memory backup holds station settings for 2 weeks when unplugged; adjustable rear panel output level. FM section: FM usable sens mono 1.8 μV (10.3 dBf); 50-dB quieting sens mono (15.3 dBf), stereo (33.2 dBf); THD stereo 0.2%, mono 0.05% at 1,000 Hz; S/N 70 dB stereo, 75 dB mono; FR 20-20,000 Hz ±0.2 dB; capture ratio 1.5 dB; sep 45 dB at 1,000 Hz; AM sup 60 dB; alt-ch rej 55 dB; adj-ch rej 90 dB. AM section: sens 300 μV with built-in antenna. 16.5 x 2.5 x 9.75 in; 15 lb $269

AT-300 AM/FM Stereo Tuner
AM/FM-stereo tuner with Schotz noise reduction and remote control option; 20 station presets; search & scan; PLL; FM sens 1.9 μv and 50 dB quieting sens (stereo) is 3.5 dB; THD 65 dBf 0.1%; S/N 75 dB; sep 50 dB $229

AT-200 AM/FM Stereo Tuner
AM/FM stereo tuner with dual-mode tuning system. Features search tuning; manual tuning; 12-position touchbutton-activated memory for 6 AM/6 FM station presets; phase-locked-loop frequency synthesis tuning; 5-number digital readout; stereo LED indicator; mono/stereo selector; signal strength indicator. Usable sens 1.8 μV; THD 0.2%; S/N 74 dB stereo; capture ratio 1.5 dB; alt ch sel 65 dB; IF rejection 90 dB; stereo separation (at 1 kHz) 45 decibels. 16.5 x 2.5 x 10 inches; 7.5 pounds $209

QUAD

FM4 FM Tuner
FM-stereo tuner designed to be used with Quad 44 preamp. Features no controls except 8 pushbuttons to store/recall station presets, tuning knob, power switch; bar-graph meter to indicate signal strength, center-channel tuning; dedicated microprocessor that recalls desired station from memory, tunes it, automatically sets muting, automatic frequency control levels. Stations stored in memory remain there for up to 5 years, even with power disconnected. Available in anthracite grey. Mono/stereo 50-dB quieting sens 2.7/25 μV; mono/stereo S/N ratio 76/70 dB at 1 kHz, 1 mV A-wtd; mono/stereo distortion 0.05%/0.10% stereo; capture ratio 2.5 dB; sel 53 dB; image/IF rejection 80/100 dB; frequency response 20-15,000 Hz +0/-1 dB; crosstalk 40 dB at 1 kHz; pilot-tone suppression 60 dB; deemphasis switchable for 50/75 microseconds; power consumption 6 volts; 321 x 207 x 64 mm; 3 kilograms. $695

RCA

MPT200 Audio/Video Preamp Tuner
Dimensia A/V control center with unified remote control and on-screen status indication when used with Dimensia monitor lets you select inputs from up to 13 Dimensia components and 5 nonsystem components. Features automatic input selection; remote control volume, mute, direct access and station scan, and off/on; SystemLink cabling; simultaneous recording and playback; auto status indication; auto switching; quartz-PLL synthesis tuning; 20-station random tuning memory; preset channel scanning; FM search tuning; electronic volume control; signal processing loop; preset turn-on volume; fluorescent display; muting; bass, treble, and balance controls; 4 AC convenience outlets. Tuner section: FM sens 12.2 dBf; S/N 73 dB (mono); image rejection 45 dB; sel 60 dB; sep 40 dB at 1,000 Hz; capture ratio 1.5 dB; FM frequency response 30-15,000 Hz. 14.63 x 4.13 x 13.38 inches. $339

REALISTIC

TM-150 AM/FM-Stereo Mini Tuner
PLL tuning; stereo/mono switch; FM stereo LED; illuminated tuning dial; built-in AM and FM antennas; built-in terminals for external FM antenna. 9 x 2.5 x 6 inches $60

REVOX

B260-S FM-Tuner
FM stereo tuner stores 60 preset stations with reception modes in non-volatile memory. allows user to arrange stored stations into separate groups for scanning. Features control prt; max S/N >80 dB; THD 0.07%; alternate channel selectivity;FR 20-15,000 Hz ±0.5 dB; 17.2 x 4.3 x 13 in; 15.4 lb $2,500
B160 FM-Tuner. Similar to B260-S but stores up to 30 preset stations $1,575

B250-S Tuner/Amplifier
6 inputs for tuner, tape 1 & 2, aux, CD, and phono MM; each input level is adjustable and storeable in non-volatile memory. Optional video-switcher provides 4 video inputs for sound and picture; remote control. Preamp has 2 separate circuits to simultaneously listen/record from 2 different sources; 150 W/ch; THD <0.015%; S/N 80 dB; 17.7 x 4.3 x 13 in; 33 lb $2,500
B150 Tuner/Amplifier. Similar to B250-S but continuous average 60 W/ch $1,575

ROTEL

RT850A AM/FM Tuner
Quartz-synthesizer tuner with microprocessor circuitry. Features 6 AM/6 FM presets, manual and autoscan tuning. FM section: usable sens mono 2 μV (11.2 dBf), 50-dB quieting sens mono 3 μV (14.6 dBf), stereo 40 μV (37.2 dBf); THD stereo 0.2%, mono 0.08% at 1,000 Hz; S/N 73 dB stereo, 75 dB mono; FR 30-15,000 Hz +0, -2 dB; capture ratio 1.0 dB; sep 48 dB at 1,000 Hz; AM suppression 58 dB; AM section: sens 300 μV/m; S/N 50 dB; 2.56 x 17 x 11.5-in; 8.5 lb $299

RT830 AM/FM Analog Tuner
AM/FM stereo tuner with LED indicators for signal strength; muting switch. FM section: usable sens mono 2 μV (11.2 dBf), 50-dB quieting sens mono 3.5 μV (16 dBf), stereo 50 μV (39.4 dBf); THD stereo 0.6%, mono 0.3% at 1,000 Hz; S/N 65 dB stereo, 70 dB mono; FR 35-13,000 Hz ±1.5 dB; capture ratio 2 dB; sep 38 dB at 1,000 Hz; AM suppression 62 dB; AM section: sens 300 μV/m; S/N 45 dB; 2.56 x 17 x 12.56-in; 6.8 lb $199

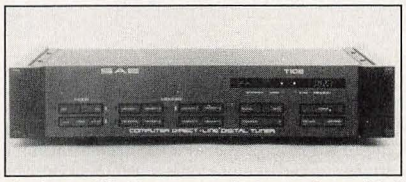
SAE

T101 AM/FM Stereo Tuner
Computer direct-line digital tuner. Features 16 station presets (8 AM/8 FM); auto and manual tuning; signal-strength, multipath, and level indicators; IF narrow; high blend; memory scan. FM Section: IHF sens stereo 3.9 μV (17 dBf); 50-dB quieting sens stereo 32 μV (35.3 dBf); THD stereo 0.08% at 1,000 Hz; S/N stereo 70 dB. FR 30-18,000 Hz +1, −2 dB; capture ratio 1.2 dB; sep 55 dB at 1,000 Hz; alt-ch rejection −100 dB narrow $650

T102 AM/FM Stereo Tuner
Computer direct-line digital tuner with 16 station

PRICES LISTED
are manufacturers' suggested retail prices
(also referred to as *list* prices);
actual selling prices are set by individual dealers.
All prices are subject to change without notice.

presets; auto and manual tuning; IF narrow; high blend. FM section: IHF sens stereo 4.1 μV; 50-dB quieting sens 34 μV; THD stereo 0.08% at 1,000 Hz; S/N 70 dB stereo; FR 30-18,000 Hz +1, −2 dB; capture ratio 1.2 dB; sep 55 dB at 1,000 Hz; alt-ch



rejection −100 dB narrow; adj-ch rejection −15 dB narrow. 19 x 3.5 x 12.5 in $349

SANSUI

TU-X701 AM/FM Tuner
Vintage series tuner featuring random presets for 30 FM and AM stations; numeric keypad for recall; programming two station frequencies for unattended recording; memory scan; RF mode selection; IF bandwidth selection; record calibrator; FM noise canceller; mode switch. Usable sen 38.0 dBf (stereo); THD 0.0095% (stereo); S/N 98 dB; IF response (at 84 MHz) 110 dB. 17.63 x 3.81 x 11.81 in; 10.4 lb $500

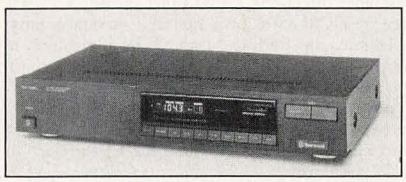
TU-X301 AM/FM Tuner
Vintage series tuner features digital-synthesis tuning; 6 AM/6 FM station presets; FM noise canceller circuit. 50 dB quieting sens 36 dBf (stereo), 16 dBf (mono); S/N 72 dB (stereo), 78 dB (mono); capture ratio 1 dB. 17.69 x 1.81 x 8.94 in; 5.3 lb $210

T-1000 AM/FM Tuner
AM/FM stereo tuner with quartz-PLL synthesizer tuning. Features 16 station presets; high-blend circuitry; two FM tuning modes, one for strong signals, one for weak signals. 50 dB quieting sens 16.5 dBf; S/N 75 dB; capture ratio 1.5 dB. 3.6 x 17 x 9 in; 6 lb $145

SHERWOOD

TD-7010R Synthesizer Tuner
Quartz PLL synthesized tuning system. Features digital display; MOSFET front end; auto-tuning; 30-preset stations; preset scan switch; 10-segment signal-strength meter; hi-blend switch; FM mute switch; AM/FM reception; AM bar antenna; usable sens 9.8 dBf; 50 dB quieting sens 36.1 dBf; FR 10-15 Hz ±3 dB; THD 0.25%; 50 dB stereo sep at 1 kHz; capture ratio 1.5 dB; alt-ch sel 70 dB; 3.2 x 17.3 x 8.7 in$319

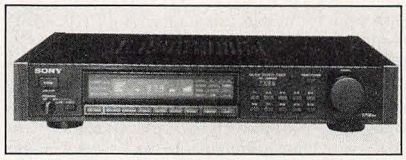
TD-1120 Synthesizer Tuner
Quartz PLL synthesized tuning system. Features digital display; 24-preset stations; MOSFET front end; auto-tuning; AM/FM reception; AM loop antenna;



usable sens 11.2 dBf; 50 dB quieting sens 39.2 dBf; THD 0.4%; 45 dB stereo sep at 1 kHz; FR 10-15 Hz ±3 dB; capture ratio 2 dB; alt-ch sel 60 dB. 3.2 x 17.3 x 8.7 in $169

SONY

ST-S730ES AM/FM Tuner
Features radial power-supply design; automatic microprocessor exclusion circuit master clock; SST super sound tracking; WOIF wave optimized IF system; WODD wave optimized direct detector; WODSD wave optimized digital stereo decoder; direct comparator circuitry. S/N 92 dB stereo, 100 dB mono; THD



0.0075% stereo, 0.004% mono; sens 10.3 dBf/0.9 μV; sel (at 400 kHz) 70 dB; sep (at 1 kHz) 70 dB. 3.38 x 18.5 x 14.75 in; 12 lb, 6 oz $550

ST-S500ES AM/FM Tuner
Features quartz frequency-synthesis tuning; WODD wave optimized direct PLL detector with low distortion and noise; WODSD wave optimized digital stereo decoder; direct comparator circuitry; 10 AM/FM station presets; multi-process memory to remember various station settings for each preset; calibration tone presets for off-air taping. S/N 84 dB stereo; FR 15-15,000 Hz +0.2, −0.5 dB; sel 55 dB narrow, 90 dB wide. 17 x 3.38 x 13.62 in; 9 lb $300

SOUNDCRAFTSMEN

Pro-Tuner Four AM/FM Stereo Digital Tuner
Digital quartz-PLL tuner with 16 station presets, 5-digit station readout, auto scan tuning, and active high-blend filter. 19″ rack-mount front panel. IHF sens 1.6 μV; S/N 75 dB; distortion 0.08%. 2.36 x 19 x 12 in $349

SUMO

Aurora Slimline Tuner
Digital AM/FM tuner. Features auto seek forward/reverse; rotary tuning knob; 8 presets for both AM/FM; dynamic impulse noise reduction system; linear-phase IF filters; gold-plated output jacks; sens 11 dBf; alternate ch selectivity 75 dB; sep at 1,000 Hz 50 dB; S/N 82 dB; 19 x 8.75 x 1.75 in $649

TANDBERG

TPT 3001A Programmable FM Tuner
Features computer-type logic servo tuning system; 8-ganged varactor tuning diodes in front end, dual-gate MOSFET's in R-F and mixer stages; 8-station memory preset with touch-button recall and LED program readout; wide/normal/narrow IF bandwidth selector; autorange signal-strength with 1,000-meter-range LED, center tuning/preset frequency meters. Audio circuitry includes selected all-metal film resistors, polypropylene capacitors, and min negative feedback; mono, ANC, servo, mute switches with LED's; 3-circuit muting; output level control; S/N 90 dB; narrow sel 125 dB. Rosewood side panels optional $2,000

TPT 3031A Programmable FM Tuner
Remote controlled tuner with 4 ganged diodes; dual gate MOSFET's in RF stage; 16 station preset; manual/



auto tuning; zero-negative-feedback audio section. Remote control and rosewood side panels optional. 17.13 x 3.25 x 13.75 in; 11 lb $1,200

TECHNICS

ST-G70 AM/FM Tuner
Stereo tuner with 39 AM/FM station presets. Features twin tuner design; automatic IF band width selection; 10-key random access; class AA operation; auto-scan; automatic preset assignment capability; FM signal-strength display; DC twin quartz circuitry; DC linear switching multiplex filter $380

ST-G450 Digital AM/FM Tuner
Digital AM/FM tuner with 24-station presets. Features preset channel scan; 10-key direct access; class AA operation; FL display; 3-point LED signal-strength indicator $270

TOSHIBA

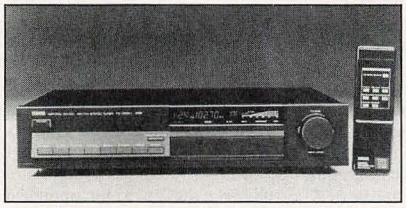
ST-5528 AM/FM Stereo Tuner
Features digital display; 16 station presets; preset memory recall; preset scan; automatic digital tuning lock-in for each available station; system remote control $170

VECTOR RESEARCH

VU-1500 Tuner
Quartz PLL-synthesized tuner. FM section: alt-ch sel 60 dB; 50-dB quieting sens mono 3 μV (10 dBf); 50-dB quieting sens stereo 40 μV (37 dBf); max S/N A-wtd, mono 75 dB, stereo 73 dB; THD mono 0.08%; stereo 0.2%. 8.5 lb; 17 x 3 x 12.5 in $200

YAMAHA

TX-1000U AM/FM Digital Tuner
Digital AM/FM stereo tuner with computer servo lock tuning. Features digital fine tuning; absolute linear phase IF amplifier "Alpha" circuitry for 90 dB channel selectivity; 2-position IF mode selector; 4



tuning modes; antenna selector switch; 24-station random access memory presets; multi-status memory; 4-letter station name display; 24-segment signal quality meter; remote control; optical integrated system remote compatible $549

TX-900U AM/FM Digital Tuner
Features integrated system remote compatibility; digital fine tuning; 3-position auto/manual IF mode selector; 20-station random access preset tuning; 4-way station memory; high blend; integrated multi-function LCD display. Black; 9 lb $399

TX-500U AM/FM Digital Tuner
Features integrated system remote compatibility; direct PLL IF count synthesizer tuning; 2-position IF mode selector; 20-station random access preset tuning; 4-way station memory; high blend; integrated multi-function LCD display. Black; 9 lb $319

TX-400U AM/FM Digital Tuner
Features integrated system remote compatibility; direct PLL synthesizer tuning; 16-station random access preset tuning; integrated multi-function LCD display; auto-search tuning; manual up/down tuning. Black; 7 lb $249

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 217.

"If I Had It To Do All Over Again... And I Do...This Is How I'd Do It."

"Henry Kloss. Member of the Audio Hall of Fame. Creator of Acoustic Research in the 1950's, KLH in the 1960's, and Advent in the 1970's—the dominant speakers of their decades—now brings you Ensemble: the best-sounding speaker system of this era."



Ensemble. By Henry Kloss.

Ensemble is the first of a new generation of stereo loudspeaker systems. It combines two bass units, two mid- to high-frequency satellite units and something you won't find in any hi-fi store on earth:

Your living room. Which now, because of Ensemble's unique "double-dedicated" design, becomes a totally integrated part of the sound propagation process giving you perfectly balanced energy throughout the full ten octaves of music.

The first speaker system that doesn't cheat you out of either bass or space.

The fundamental octaves that so much of music is built on...

The almost subaudible but palpable sounds generated by the big pipes of the organ, the bottom of the acoustic or electric bass, the low notes of the synth...

The frequencies completely ignored in the so-called "mini-speakers" now in vogue...

Ensemble provides them. With two dedicated, acoustic-suspension loudspeakers whose jobs are solely to reproduce the bottom two octaves of musical significance.

At a compact 12"×21"×4.5," they're small enough to be placed where they'll produce the best sound, minimizing "standing waves," and without visually overpowering your room.

Beneath the couch, on top of the bookshelf, or under the potted plant...wherever the ear dictates, they eye won't be offended.

As for the other 8 octaves of music.

The rest of the sound spectrum, from a nominal crossover of 140 Hz, is reproduced by a stereo pair of two-way satellite units. Each incorporates a low-frequency driver, crossing over at 2,700 Hz to a direct-radiator tweeter that goes beyond audibility.

They are small enough (4"×5"×8" high) to set the sound stage wherever you want it. Finished in scratch-proof, gunmetal grey Nextel, they will look good for a lifetime.



There is a wager you can make, if you don't mind taking money from house guests.

Place Ensemble's satellites where they're visible. Then hide one of the bass units under the sofa, and put the other on the floor with a plant on it. When your friends arrive, bet them to point out where the bass is coming from. They'll point to the satellites. Every time.

What Henry Kloss tells his friends:

Every time I came out with a new speaker at AR, KLH, or Advent, my friends would ask me, "Henry, is it worth the extra money for me to trade up?" And every time I would answer, "No, what you've already got is still good enough."

But today, with the introduction of Ensemble, I tell them, "Perhaps now is the time to give your old speakers to the children."

Overcoming the fear of paying too little.

This is more difficult than it may sound. Because the Ensemble System sells for an introductory price of only $499. And it can be jarring to accept the notion that a product actually outperforms others costing several times more.

The second thing you must overcome is the misdirected notion that you must go to a dealer showroom and listen to the speakers.

Because the fact is, the only way to appreciate the astonishing sound reproduction of this unconventional system is to audition it in your own room environment. Therefore, we sell direct to you, not to dealers. By phone, by mail, or by our front door. With a straightforward 30-day money-back return policy.

Speaking directly to the people who make the speaker.

To our knowledge, no other hi-fi manufacturer invites you to call, talk about, and buy the system. ("Hello, Mr. Sony?" Try that.)

In fact, the easiest way to buy Ensemble is to call us with your credit card in hand, and speak with an expert who will be happy to walk you through everything you want to know about the system. For literature, for information—or to order—the toll-free number is 1-800-252-4434, Mon.–Thurs., 9–9, Fri. and Sat., 9–6 Eastern Time. (In Canada, 1-800-525-4434.) Fax # (617) 332-9229.



The Ensemble Stereo System: 2 bass units, 2 satellites, 100 feet of wire, mounting units, intelligent documentation, and a warm body. (Your Cambridge SoundWorks audio expert.)

CAMBRIDGE SOUNDWORKS
154 California St., Newton, Massachusetts 02158

☐ Send more information
☐ Send Ensemble risk-free for 30 days, for $499.*
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MA residents add 5% sales tax.
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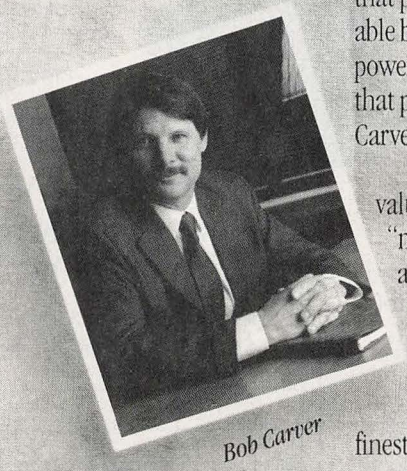
CIRCLE NO. 70 ON READER SERVICE CARD

"Because I wanted to have the world's finest amplifier and the world's greatest transfer function, I built the astonishing Silver Seven."



The Silver Seven, finest power amplifier in the world. $8,750 each. Two required for stereo. Tube counters note: The 15th KT88/6550A is a voltage regulator.

Before you meet the new M-4.0t, Bob Carver wants you to meet its inspiration, the money-is-no-object Silver Seven.



Bob Carver

"One of my important design precepts is that power amplifiers should be easily affordable but last year, when I began designing a powerful new amplifier, I temporarily set aside that precept of affordability. The result is the Carver Silver Seven Mono Power Amplifier."

Destined to redefine ultra-high-end values forever, the Silver Seven is truly a "money-is-no-object" design. In fact, just a single pair of its fourteen KT88/6550A Beam Power output tubes cost more than some budget amplifiers.

The Silver Seven employs classic, fully balanced circuit topology and the finest components in existence.

A-450 Ultra Linear output transformers with oxygen-free primary leads and pure silver secondaries.

- *Wonder Cap capacitors throughout.*
- *Interconnects are Van den Hul Silver.*
- *Internal wiring is pure silver.*
- *Wonder Solder throughout.*
- *Gold input connectors and high current gold output connectors.*

The Silver Seven's polished granite anti-vibration base floats on four Simm's vibration dampers. The separate power supply's power transformer end-bells are machined from a solid block of high-density aluminum.

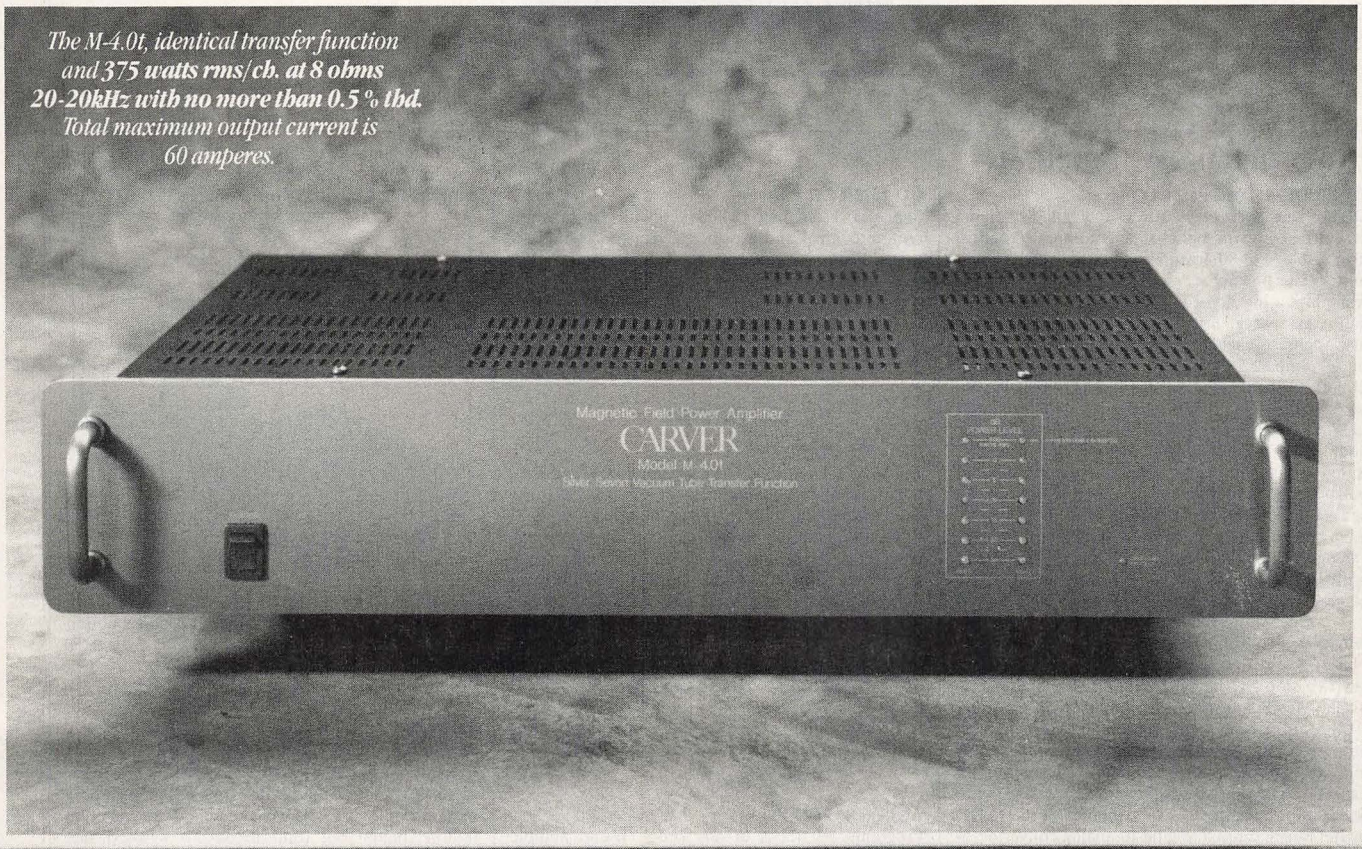
Capable of an astonishing 390 joules energy storage, the Silver Seven delivers ***a conservatively rated 375 watts into 8 ohms from 20Hz to 20kHz with no more than 0.5% distortion.*** On the 1-ohm tap, peak current is in excess of 35 amps!

Sonically, a pair (for stereo) of the flawless Silver Sevens almost defies description.

Powerful

Distributed in Canada by: evolution technology

"Because I wanted to share its magnificent sound with you we built the new Carver M-4.0t."



Superlatives are insufficient.

What does this have to do with the new M-4.0t?

Everything. Because the M-4.0t precisely duplicates the transfer function of the Silver Seven.

Ever wondered why two amplifiers of identical wattage can sound different? Or why two designs with different output ratings can sound much the same? In many cases, it's because each power amplifier exhibits a unique relationship between its input and output signals. Like human fingerprints, this *transfer function* is subtly distinct, defining much of the sonic character of the design. Bob has not only perfected the art of measuring an amplifier's transfer function, but is able to duplicate it in a completely dissimilar amplifier design! That's how he invested his solid state M-1.0t with the transfer function of a set of $5000 esoteric tube amps several years ago.

This time he's gone one better. Or two.

He's used this powerful scientific method to duplicate the transfer function of the Silver Seven in the new M-4.0t (now you know what the "t" signifies). Mind you, we are not saying the M-4.0t is *identical* to a pair of Silver Sevens. An M-4.0t weighs 23 pounds versus the Silver Seven at 300 pounds a pair. The Silver Seven stores 390 joules of energy while the M-4.0t stores none. As a Magnetic Field Power Amplifier the M-4.0t instantly draws the power it needs directly from the AC line.

Though in choosing the M-4.0t you may miss the warm glow of the Silver Seven's silver tipped vacuum tubes reflecting in polished black lacquer, be assured both amplifiers are the most musical, effortless, and open sounding you have ever heard. Bass is full and tight, midrange is detailed, treble is pure and transparent.

Each can float a full symphony orchestra across the hemisphere of your living room with striking realism.

Bob Carver developed this incredible design for one reason: to bring you the best the world has to offer and the best amplifier value ever, and he has succeeded handsomely.

Listen to the new, incredibly affordable M-4.0t at your nearest Carver dealer. Or write us for more information. We'll even send you data on the Silver Seven. After all, if you ever want to move up from the M-40.t, there's only one possible alternative.

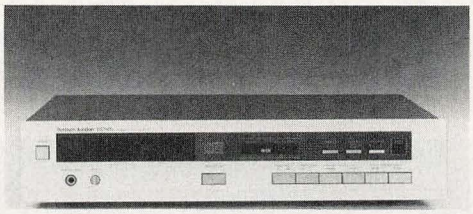
CARVER

Musical *Accurate*

CIRCLE NO. 3 ON READER SERVICE CARD

P.O. Box 1237, Lynnwood, WA 98046

COMPACT DISC PLAYERS



ACCUPHASE BY MADRIGAL

DP-80/DC-81 Two-Part CD Player
DP-80 transport plays discs and DC-81 digital processor converts digital signals to analog; optical fiber cable. DP-80 features 1 master clock; linear motor laser pickup; <1-sec selection time; ceramic-resin mounting floated from chassis; play, search, pause, skip back, fast forward, fast reverse, repeat disc or phrase; cues by track number; displays current track number. DC-81 features D/A converter with discrete elements; wideband optical-fiber inputs; 16-bit digital signal and deglitch signal for each ch input to D/A converter through 17 optoisolators; 121-stage double-oversampling digital filter per ch; 9-pole GIC Butterworth active filters; direclty coupled 0-dB gain buffer amp as output stage; de-emphasis circuit consisting of passive elements and buffer amp; independent power transformer for each digital and analog circuit; fixed- and variable-level audio output; XLR-type balanced output; connects to other CD players with 75-ohm coaxial-cable terminal. $8,750

DP-70 Remote-Controlled CD Player
Play, track search, pause on front panel; number keypad, stop, repeat (all, 1, phrase), index search, display (track and index or time), scan, and output-level controls behind panel; fixed and variable RCA outputs; XLR balanced output; 75-ohm coaxial cable output; optional wide-band optical-fiber output; digital output pins; track selection in <1 sec with linear motor; 4-times oversampling (176.4 kHz) digital filters; discrete digital-to-analog converter; 5-pole GIC Butterworth low-pass filters; isolating optocouplers; independent power supply for digital and analog circuits; 4 optocouplers input digital data, latch clock signal, deglitch signal to D/A converter; directly coupled 0-dB-gain buffer amp as output stage with push-pull DC servo direct coupling; metal shielding; passive elements and buffer amp in de-emphasis circuit; ceramic composite resin floating mounting; legs lathed from pure brass bar; hairline-finish golden panel and natural persimmon side-board; infrared remote needs 2 AA batteries. Pass-band ripple of digital filters ±0.00005 dB with attenuation of <100 dB; 46.4 lb..... $6,000

ACOUSTIC RESEARCH

CD-06 CD Player
16 bit, 4x oversampling CD player. Computer driven laser swing arm; dual digital to analog converters



(analog circuitry employs a Gaussian filter for elimination of filter delay); random access programming of up to 20 tracks in any order; scanning, play, pause and volume control can be performed by remote control. Fixed level and remote variable audio outputs as well as digital output. FR 4-20,000 Hz ±0.5 dB; THD 0.007%; S/N 105 dB..... $749

ADC

CD 16/2R CD Player
Slide-drawer-loading CD player with full-function remote control and advanced error-processing circuitry. Features random 16-track programming; skip forward; skip back; fast forward; fast reverse; repeat track, disc, or program; 7-pole (7th-order) analog filtering; 3-beam laser; displays track number, elapsed time of track, remaining time on disc, and program in memory. 3.12 x 17.0 x 11.75 in... $250

ADCOM

GCD-575 CD Player
Dual digital-to-analog, 16 bit linear converters. Selectable Analog Frequency/Phase Contouring circuitry, fixed and variable outputs, triple beam laser, plays 3" CD's. Programs up to 24 tracks in any sequence; repeats disc, track, program or any selected sequence or phrase; audible fast scan and fast forward. Displays, simultaneously total tracks up to 20, track being player, programmed tracks, tracks to be player. Timer display. Remote transmitter. FR 5-20,000 Hz ±0.1, -0.5 dB; S/N 105 dB; THD 0.0025%; ch sep 95 dB; IMD (SMPTE) 0.0015%; 3.44 x 17 x 11.25-in; 12 lb; black..... $600
GCD-575. white..... $650

a/d/s/

Atelier CD3 CD Player
Programs 30 tracks in any order; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; headphone jack with adjustable level; digital filtering (resampling frequency 88.2 kHz); 3-beam laser. Displays current track number, elapsed time of current track, remaining time on disc, program in memory. Cues by track number, index number. Max line output 2 V; headphone output 2 V. Optional remote control. 20 lb; 2.75 x 17.5 x 14.8 in..... $1,200

Atelier CD4 Compact Disc Player
Cast laser and transport assembly shock mounted with rubber isolators, aluminum and steel chassis/housing, and multiple power supplies to isolate digital and analog stages for minimum interaction and noise generation. Servo-laser intensity system switches focus intensity depending on quality of disc to maximize performance. Brick-wall digital filter works in conjunction with advanced multiple-pole low-pass filter. Error correction uses variable-size window; 16-bit D/A converters; fast-focus 3-beam laser; programming of 16 tracks in random order; repeat disc, track, phrase, or program; random access by time within a track; access by index point; audible fast search. Displays elapsed time from track start, remaining time to disc end, track/program selection number, index, program in memory..... $1,000

RC1 Unified Remote Control
Infrared wireless remote control for CD3, CD4, and other Atelier components..... $150

AIWA

DX-P1 Portable CD Player
3 beam laser CD with adaptor to play 3-inch discs as well as standard size CD's. AC/DC operation; line out terminal and headphone jack. Compatible with AA batteries for 4.5 hours of operation. FR 20-20,000 Hz



±2 dB; S/N 75 dB; THD 0.15%. Package includes: battery case, AC adaptor, carrying strap, and Y output cable..... $250

AKAI

CD-93-B CD Player
3-beam laser pick-up w/linear motor; 18 bits 4x oversampling; digital filter; dual D/A converters; diecast chassis and diecast disc tray; 20-track random programming; FL calendar display; 31 function remote; digital out (optical/coaxial) w/wood side panels; separate power transformers for digital and analog..... $1,099

CD-73-B CD Player
3-beam laser pick-up w/linear motor; 18 bits 4x oversampling; digital filter; dual D/A converters; 20-track random programming; FL calendar display; 31 function remote; digital out (optical/coaxial); resonance free rigid chassis structure..... $799

CD-52-B CD Player
3-beam laser; 22 function remote; 4x oversampling; digital filter; dual D/A converters; 20 track random programming; FL calendar display; digital output; index search; auto space play; A-B repeat; headphone volume..... $379

CD-32-B CD Player
3-beam laser; 21 function remote; 2x oversampling; digital filter; 20-track random programming; FLD display; digital output; index search; repeat; headphone volume; anti-resonant chassis..... $329

CD-22-B CD Player
3-beam laser; 21 function remote; 2x oversampling; digital filter; 20 track random programming; digital out; index search; repeat; headphone volume . $279

ANALOGIC DESIGN GROUP

NX Series Vacuum Tube Hybrid CD
Drawer loading CD player with wireless remote control. Features opamps for current/voltage conversion; hybrid analog stages; vacuum tubes for active filtering and final outputs; isolated power supply and transport damping; 20 track random programming; track skip; 3 speed audible fast search; repeat disc-

track-program; 4 times oversampling; 16 bit processing; 2 D/Aconverters; cues by track and index; display indicates current track number, elapsed time of current track. FR 10-20,000 Hz ±0.5 dB;S/N 100 dB; THD 0.09% at 0 dB; 3.5 x 19 x 11-in $1,495

NX Series FET Hybrid CD
Drawer loading CD player with FETOutput/analog filtering circuitry. Features hybrid analog stage; opamps for voltage conversion and FETOutput circuitry; direct coupled DCservo'd; decoupled/isolated analog and digital power supply stages; track skip 3 speed audible track search; repeat disc-track-program; 4 times oversampling; 2 DAconverters; 16 bit processing. Display indicates current track number, elapsed time of current track. FR 17-19,000 Hz ±0.75 dB; S/N 102 dB A-wtd; THD 0.01% $895
With infrared remote control $995

ARCAM

Arcam Delta 70 CD Player
CD player features 16-bit D/A converters; quadruple oversampling; 20-track programming; 3-speed search; track skip; optional remote; direct/ variable audio outputs; headphone socket; digital output socket; FR 10-10,000 ±0.1 dB; S/N ratio 105 dB; dynamic range 96 dB. 16.93 x 10.63 x 3.54 in . $999

AUDIO BY VAN ALSTINE

Transcendence FET-Valve CD Player
Drawer-loading CD player with class-A compound hybrid vaccuum tube and power MOSFET filter driver circuits. Features toroidal power transformer; regulated heater supply; 16-bit, quadruple-oversampling digital filter; calibrated dual digital fitlers; exact-channel phase-gain tracking; 20-track programming; repeat; shuffle play; time and track display; 3-speed music search with cueing; CD-single compatibility; wireless remote control. 16.5 x 11 x 3 in; 12 lb$1,195

FET-Three-Plus CD Player
Drawer-loading CD player with custom hybrid module output stages and film coupling capacitors. Filter drivers have ½-amp current drive at 200 V/μsec. Player features 16-bit, 4-times oversampling with dual digital filters and exact channel phase-gain tracking. Other features include 20-track (and index number) programming with repeat, skip forward, skip back, and time and track display. Infrared remote control optional. 16.5 x 11.5 x 3 in; 9 lb$495

FET-Three CD Player
Drawer-loading CD player with fast (30 V/μsec) overload immune integrated circuit audio stages, and film coupling capacitors. Player features 16-bit, 4-times oversampling with dual digital filters and exact channel phase-gain tracking. Other features include 20-track (and index number) programming with repeat, skip forward, skip back, and time and track display. Infrared remote control optional. 16.5 x 11.5 x 3 in; 9 lb. $295

AUDIO DYNAMICS

CD-2000E CD Player
Slide-drawer-loading CD player with full-function remote control and advanced error-processing circuitry. Features 3-beam laser pickup; 16-track random programming; 16-bit D/A converter with quadruple-oversampling digital filter; CD-single compatible. FR 10-20,000 Hz ±0.5 dB; THD 0.005% at 1,000 Hz; dynamic range 96 dB; ch sep 90 dB; S/N 96 dB. 17 x 2 x 12.63 in; 8 lb, 3 oz $399

CD-1000E CD Player
Slide-drawer-loading CD player with full-function remote control and advanced error-processing circuitry. Features random 16-track programming; 16-bit linear D/A converter; skip forward; skip back; fast forward; fast reverse; repeat track, disc, or program; 7-pole (7th-order) analog filtering; 3-beam laser; FR 20-20,000 Hz ±0.5 dB; THD 0.005%; S/N 96 dB; displays current track number, elapsed time of current track, remaining time on disc, and program in memory. 3.5 x 17.0 x 11.75 in; 10 lb $250

BANG & OLUFSEN

Beogram 5500 Programmable CD Player
Integrates with Beosystem 5500; programs 20 tracks; adds time of programmed tracks; displays time remaining on disc; skip forward and back; 3-speed forward and reverse; direct access by track number; intro scan; 16-bit quadruple oversampling; Bessel elliptical analog filters; auto space; silver and black; controlled by Master Control Panel (comes with Beomaster 5500 receiver); 2 D/A converters; separate power supplies for digital and analog sections; digital output. 16.5 x 3 x 12.75 in. $1,100

Beogram 3300 Remote-Controlled CD Player
Communicates with other Beosystem 3300 components (stops when cassette deck comes to end of tape; deck stops when disc ends); front panel displays operating status; sensi-touch controls; display of track number, index number, track time, time left on disc; skip forward and back; 4-sec auto space; optional bracketed shelf for wall mounting; 16-bit, quadruple oversampling digital filter. 16.5 x 3 x 12.25 in $765

Beogram CDX Top-Loading CD Player
Skip forward and back; clear key cancels unwanted tracks or cancels program; quadruple oversampling; search without program audible; digital and analog filters; displays track numbers (up to 20), programmed tracks, elapsed time of track or disc, current track and index number; programs 40 tracks in any order; repeats disc or program up to 4 times; 14-bit digital-to-analog conversion; integral output cable. 16.5 x 3 x 12.25 in; 12.4 lb $765

CAMBRIDGE AUDIO

CD1 Series II CD Player
32 bit, 16 times oversampling player with 64k of error correction. Features include volume and digital polarity inversion from a comprehensive remote handset. Lead beam suspension system. Rosewood side cheeks $4,000

CD2 S CD Player
16 bit, 16 times oversampling player with 64k of error correction. No analog stages. Full remote facilities and rosewood side cheeks $2,500

CD2 CD Player
16 bit, 16 times oversampling player with 64k of error correction. No analog stages.THD 0.0025%, dynamic range >100 DB $1,700

CARVER

DTL-200 Mk II Remote-Controlled CD Player
With 3-beam laser and Digital Time Lens circuitry to change frequency balance and ratio of L−R and L+R. Programs 12 tracks in any order, 99 in sequential order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, and program; 24-function remote control; quadruple oversampling (at 176.4 kHz); error indication; dual D/A converters. Cues by track and index number. Displays current track number, elapsed time of current track, elapsed time on disc, remaining time on disc, program in memory. Sound audible during fast forward and reverse $720

CITIZEN

CBM-3000 Portable CD Player
Portable CD player with optional FM transmitter and remote control keypad. Features 16-track random access programming; double oversampling; 3-beam laser; 16-bit D/A converter; special anti-shock circuit; headphone jack; line-out jack; DC plug-in; remote jack for optional remote sensor; controls include play/pause, stop/clear, forward/reverse track skip, fast forward, reverse, headphone level volume, and power switch; intro scan/A-B; memory enter/repeat; memory/keylock; LCD displays total number of tracks, total playing time of disc, track in play, elapsed playing time, and A-B repeat. Optional FM transmitter and remote control. Comes with AC adaptor, battery recharger, soft carrying case and connection cord $330

CBM-2000 Portable CD Player
Portable CD player with aniti-shock circuit that pauses after shock, then automatically resumes play at point on disc where disrupted. Features 16-track random programming; stop; memory clear; memory back-up; skip forward/back; repeat track; auto shut-off; headphone jack with adjustable output and audio level; inputs/outputs for DC plug, headphone jack; line-out jack; AC adaptor/charger; earbuds; carrying belt; patch cord; rechargeable battery pack. FR 5-20,000 Hz; THD 0.07% at 1,000 Hz; S/N 92 dB $300

CBM-1000 Portable CD Player
Top-loading portable CD player with feather-touch control panel; 3-beam laser pickup; line in/out jack; line cord for connection with larger system; AC adaptor; battery cradle; earbuds; 16-track programming; controls include repeat, fast forward/reverse, audio scan, memory; displays current track number, time remaining/elapse; dynamic range 90 dB; FR 20-20,000 Hz; digital filter circuitry $250

CBM-777 Portable CD Player
Features double-oversampling digital filter; 3-beam laser; 13 bit D/A converter; functions include play/pause, stop, forward/reverse, skip, fast forward/reverse, repeat, headphone level volume, power; AC adaptor; FR 20-20,000 Hz +1/−3 dB; THD 0.08%; 5.8 x 6.7 x 1.75 in. $170

dbx

DX5 CD Player
Remote-controlled CD player with 3 processing circuits (compression, Digital Audio Impact Recovery [DAIR], and increased/decreased ambience), each independently bypassable. The compression control is for background listening, making car cassettes, and easier taping of CD's; DAIR adds impact to musical transients; ambience adds or subtracts left-right information in midrange and treble frequencies. Features programming of 16 tracks in any order; repeat track, disc, program, or A-B phrase; skip forward; skip back; audible fast forward and reverse; error LED to show disc correction; headphone jack with adjustable level; dual 16-bit D/A converters; advanced error processing; 2-band compressor; impact circuit. Displays track number, total tracks, elapsed time of track, disc time, and program stored in memory. Cues by track or index number. Oversamples at 176.4 kHz. 17.12 x 11.88 x 3.5 in. . $699

DENON

DCD-3300 Compact Disc Player
Features double super-linear converter; quadruple oversampling digital filter; CALP filter; LC-OFC analog filter; twin power transformers; optical isolator; 5-independent power supplies; separated digital and analog circuits; BMC pickup chassis; digital-output terminal; optical digital output terminal; headphone jack; 20-track random programming; 10-key direct selection; index search; time search; repeat function; auto space; timer play; remote control; emphasis display; 8-digit FL display $1,700

DCM-555 Compact Disc Player/Changer
6 CD magazine changer allows for up to 32 selection program play. Continuous playback of all 6 disc's; full random play; program random play; disc sequential random play; program random play; super linear

converter; real time D/A conversion; quadruple oversampling; full function remote control. FR 4-20,000 Hz; S/N 98 dB; THD 0.004%; 4.56 x 17.08 x 14.09; 13.25 lb $550

DCD-910 CD Player
Features double super-linear converter; quadruple oversampling digital filter; pickup with floating suspension; variable analog output. Auto edit, auto space, and 20 selection music calendar; compatible with 3″ CD's; 2 modes of random playback; program random play; FR 2-20,000 Hz; S/N 102 dB; THD .004%; remote control provided; Display track #, playing time, total tracks, total playing time total remaining time, index number; 4.05 x 17.08 x 12.40 .... $499

DCD-810 CD Player
Features double super-linear converter; quadruple oversampling digital filter; auto-edit function; compatible with 3″ CD's; random playback; program play $399
DCD-610 CD Player. Similar to above $300

DISCRETE TECHNOLOGY

LS I Mark III CD Player
Front-loading CD player with remote-controlled programming. Features FTS; digital output and headphone jacks; dual 16-bit D/A converters; quadruple-oversampling digital filter; CIRC; 1-beam laser; FR 20-20,000 Hz; dynamic range 120 dB; S/N 100 dB; ch sep 100 dB; THD .003%; IMD .0033%. 16.5 x 3.2 x 11.03 in; 6.8 lb $1,195
LS I Mark IV. As above with external power supply $1,495

DUAL

CD 5070 CD Player
CD player with 30-beam pickup. Features 16-bit D/A converter; double-oversampling digital filter; gold-plated connectors; 16-track random-access programming; 12-function remote control; headphone jack with adjustable level. FR 5-20,000 Hz; THD 0.006%; dynamic range >95 dB; S/N 94 dB (A wtd). 18.1 x 12.1 x 3.6 in; 10.5 lb. $450

EMERSON

CDD 200R CD Player
Dual disc remote controlled CD player with 32 programmable tracks. Plays 2 discs without a magazine. Fast skip, random play. Repeats track, disc, program, phrase. Oversamples at 44.1 KHz; FR15-20,000 Hz ± 1.5 dB; THD 0.03%; 3.9 x 16.5 x 11.8-in; 11 lb $400

CD175R Remote-Controlled CD Player
Programs up to 15 tracks in any order; skip forward; skip back; 2-speed fast forward and reverse; index search; repeats disc, program, phrase; displays total tracks, total playing time, current track number, elapsed time; 3-beam laser; play and pause indicators. 2.8 x 17.1 x 4-in $350
CD165. Similar to CD170R except lacks remote control. $300

FISHER

DAC195B/DAC197B CD Player
Compact disc changer with 5-disc capacity and 30 function wireless remote control. Features 3-beam laser pickup; double-oversampling digital filter; random playback; intro scan; individual motorized slide-loading trays; scan; skip; repeat disc, program, track, all discs; 32-track random programming; FL display of disc, track, track time, and time remaining; LED play/pause meter; program indicator; headphone jack with adjustable level. $400

AD728VB CD Player
CD player with 20-track random programming and 25-function wireless remote control. Features music calendar; linear motor pickup drive; LCD display; 3-beam laser pickup; double-oversampling digital filter; automatic edit; forward and reverse scan and skip; headphone jack with adjustable volume . $350

AD724AB CD Player
CD player with 20-track random programming and 6-function wireless remote control. Features music calendar; linear motor pickup drive; LCD display; 3-beam laser pickup; double-oversampling digital filter; forward and reverse scan and skip; headphone jack with adjustable volume $300

GE CONSUMER ELECTRONICS

3-7050 Portable CD System
CD system with cassette deck, AM/FM tuner, and speakers. Features LCD display with track, repeat, and memory; search; skip; pause; 8-track programming; Dolby B noise reduction; one-button synchro-dubbing from disc to tape; 5-band graphic equalizer; 2 4″ woofers, 2 piezo tweeters; digital tape counter; cushion eject; 5-segment signal-strength/power meter; external mic jack; headphone jack. 25.8 x 10 x 6.3 in; 18 lb. $400

3-7030 Portable CD System
CD system with cassette deck, AM/FM tuner, and speakers. Features LCD with track, disc rotation, and repeat indications; disc-to-tape synchro-record function; 3-band graphic equalizer; 2 4″ woofers, 2 piezo tweeters; slide volume controls; automatic tape shutoff; direct off-air recording capability; automatic level control in record; variable level recording monitor; built-in mic; external mic jack; headphone jack. 22.8 x 5.6 x 6.5 inches; 11.4 pounds $315

GOLDSTAR

GCD-613 Programmable CD Player
Programs 9 tracks in any order; repeat disc and program; forward and reverse scan; displays total time, elapsed time, track number; digital and active filter. FR 5-20,000 Hz ±1.5 dB; dynamic range >90 dB; S/N >90 dB at 1,000 Hz; output 2 V rms; THD 0.03%. 13.6 x 3.6 x 11 in; 8.8 lb $250

GCD-64R CD Player
Features full-function remote control; shuffle play; 20-selection random memory programming; 3-beam laser pickup; linear skating loading system; automatic music search; automatic repeat capability; headphone jack; multi-function display shows elapsed time, total time, track number, repeat and memory $350

HARMAN KARDON

HD800 CD Player
CD player with 10-function wireless remote control. Features discrete analog output section; sample-and-hold processor; separate analog, digital, and transport power supplies; samples at 176.4 kHz; dual 16-bit linear converters; 3-beam pickup; 36-track programmable memory; audible 2-speed cue and review; displays track, elapsed time, program number, total number of tracks, total time, and time remaining; track and index search; headphone jack with adjustable level. $529

HD400 CD Player
CD player with 10-function wireless remote control. Features discrete analog output section; sample-and-hold processor; separate analog, digital, and transport power supplies; samples at 88.2 kHz; 3-beam pickup; 36-track programmable memory; audible 2-speed cue and review; displays track, elapsed time, program number, total number of tracks, total time, and time remaining; track and index search $399

HD200 CD Player
CD player with discrete analog output section. Features sample-and-hold processor; separate analog, digital, and transport power supplies; samples at 88.2 kHz; 3-beam pickup; 36-track programmable memory; audible 2-speed cue and review; displays track, elapsed time, program number, total number of tracks, and time remaining; 16-bit D/A converter; track and index search $329

HITACHI

DA005 CD Player
Direct PIT servo; 5-stage error correction; 121-band digital filter; programs 15 tracks in any order; skip forward and back; fast forward and reverse; cancel; repeat track, disc, phrase, program; cue by track; 28-function remote; headphone jack; adjustable headphone level; 3-beam laser; 1 D/A converter; displays current track number, elapsed time of current track, remaining time on disc; sound audible during fast scan; headphone output 2 V; 11 lb $550

DAC-60 6-CD Changer
Magazines hold 6 discs or single disc; digital filtering; programs 32 tracks from unit or remote; repeats all 6 discs; random play; 2-speed audible search in forward and reverse; headphone jack with level control; displays disc number, track number, elapsed time of disc, total playing time, number of tracks on disc $399

DA-8200 CD Player
Drawer loading; three-beam laser; 24 selection random memory; random play; 2-times oversampling digital filter; 4-way selection repeat; vibration free floating suspention system; skip forward/back; fast forward/back; repeat track, disc, phrase, program; cue by track number; cue by index number; headphone jack; digital filtering; single D/A converter; display track number, elapsed time, program in memory; sound audible in fast scan; 15.75 x 3.25 x 10.75 in; 7.5 lb $249

DA-C70CW CD Player
12 disc (6 disc x 2) changer; 3-beam laser; 41 function remote; independent disc exchange; 3 play modes; built-in timer; resume play function; oversampling digital filter; magazine loading; skip forward/back; fast forward/back; repeat track, disc, program; cue by track number; cue by index number; headphone jack; adjustable headphone level; digital filtering; single D/A converter; display of current track number, elapsed time, program in memory; sound audible in fast scan; 15.75 x 5.13 x 12.5 in $449

The following models all have 3-beam laser, self-program search, index search, and random play.

DA-009 CD Player
10-key direct random access; Roulette Play begins sequential play with random tracks; programs 24 tracks; 5-way repeat; skip; 2-speed search; display shows programmed tracks; 121-step digital filtering; low-vibration pickup $300

JVC

CD Players

XLZ555BK CD Player
CD player with quadruple-oversampling digital filter. Features twin high-speed D/A converters; optical digital output; coaxial digital output; double-floating independent suspension system; disc/track title indication; 3″ CD compatible; auto/multi-disc editing key; 5-way repeat with A/B; index play; skip; search; auto/manual search; 3-beam laser pickup; Optical noise reduction; remote control with volume control and numeric keypad; random access programmming of up to 32 tracks; random play; intro scan; headphone jack with adjustable level; FL display; 2 analog outputs; disc title memory. $490

XLZ444BK CD Player
CD player with coaxial digital output. Features auto-

editing key; quadruple-oversampling digital filter; dual high-speed D/A converters; Opticalink noise reduction; 3″ CD capability; auto/manual search; headphone jack with adjustable level; FL display; 3-beam laser pickup; independent suspension system; remote control with numeric keypad; 32-track random-access programming; random play; intro scan; 5-way repeat with A/B $330

XLV222BK CD Player
CD player with auto/manual editing key. Features multi-function FL display; 3-beam laser pickup; independent suspension system; repeat track, disc, and program; auto/manual search; headphone jack; double-oversampling digital filter; 3″ CD capability; 32-track random-access programming $255

CD Changers

XLM600BK CD Changer
CD changer with 6-disc magazine section and auto-loading single-play drawer. Features magazine/disc title indication with message and program memory; repeat all tracks, single track, and programmed tracks; random play; auto/manual search; multi-function FL display; timer play; 3-beam laser pickup; independent suspension system; remote control with numeric keypad; 32-track programming; headphone jack; double-oversampling digital filter $560

XLM400BK CD Changer
CD Changer with 6-disc capacity and wireless remote control. Features 3-beam laser pickup; double-oversampling digital filter; independent suspension system; 32-track random-access programming; random play; repeat all, program, and track; random play; auto/manual search; multi-function FL display; 6-disc magazine $430
XLM300BK. As above, no remote control . . . $380

Portable CD Player

RC-X3 Portable CD System
Combination CD player, AM/FM stereo tuner, double autoreverse cassette deck, amplification, and speakers. Features CD synchro-start recording; continuous record; high-speed tape-to-tape dubbing; 2 4.75″ full-range speakers; 3-beam laser pickup; 22-track random access programming; CD repeat play; CD intro scan; CD search; CD, mic, and headphone outputs; automatic record level with variable monitor . $330

KENWOOD

DP-3300D CD Player
Basic series CD player with full-function wireless remote control. Features optical interface with KA-3300D amplifier; coaxial digital ouptut; pure digital output switch; twin high-speed ladder network 16-bit D/A converters with FET input; quadruple oversampling digital filters; 7-pole Butterworth FDNR analog low-pass filter; high-rigidity and multi-insulation; independent power supplies; Optimum Servo Control Type III; 3-beam laser; rapid direct-play system; 4 play modes; 6-mode real time display; 20-track random program memory; A-B section repeat; music skip; index search key; audible manual search; auto spacing; repeat; music calendar display; auto open switch; auto loading; headphone jack with level control; phase inverter switch. THD 0.001%, dynamic range 97 dB, sep 115 dB, S/N 105 dB (all at 1,000 Hz). 17.31 x 4.31 x 12.44 in; 22.1 lb $885

DP-990SG CD Player
Basic series CD player with full-function wireless remote control. Features high-rigidity mechanism; multi-insulation system; 16-bit integrator D/A converter with constant-current drive; double oversampling digital filter; discrete 7-pole Butterworth low-pass filters; independent power supplies and optimum ground pattern; Optimum Servo Control Type III; 3-beam laser; rapid direct-play system; 4 play modes; dual time display; 20-track random program memory; A-B section repeat; music skip; track search; audible manual search; auto spacing; repeat; auto loading; headphone jack with level control. THD 0.002%, dynamic range 96 dB, sep 98 dB, S/N 98 dB (all at 1,000 Hz). 17.31 x 3.69 x 12.31 in; 11 lb $685

DP-880SG CD Player
CD player with wireless remote control. Features 20-track random programming; Optimum Servo control; 3-beam laser; double oversampling digital filter; 10-key input; track skip & search; total/track playing time, track number, memory display; repeat; headphone jack. THD 0.007%, dynamic range 92 dB (at 1,000 Hz). Kenwood unified-remote system compatible. 16.56 x 3.44 x 10.31 in; 8.3 lb $445

DP-M107R CD Changer
Features auto-function; 6-disc magazine plus single CD; optimum servo control; 3-beam laser pickup; double oversampling digital filter; intro-scan; one touch disc selection; 32-track random program memory; Random Roulette Play; fluorescent display with music calendar, disc, total/elapsed/remaining time, track number and program contents indication; 2 channels; FR 20-20,000 Hz ±1 dB; dynamic range > 95 dB at 1kHz; S/N ratio > 93 dB; THD < 0.009% at 1 kHz; W&F unmeasurable. 4.31 x 16.56 x 13.63 in; 13 lb $399

DP-M97R CD Changer
Features auto-function; 6-disc magazine; optimum servo control; 3-beam laser pickup; double oversampling digital filter; one touch disc selection; 32-track random program memory; fluorescent display with total/elapsed/remaining time, track number, disc number, and program contents indication; 2 channels; FR 20-20,000 Hz ±1 dB; dynamic range > 90 dB at 1kHz; S/N ratio > 90 dB; THD < 0.02% at 1kHz; W&F unmeasurable. 3.44 x 16.63 x 13.21 in; 12.1 lb $349

DP-87 Remote-Controlled CD Player
Features optimum servor control; 3-beam laser pickup; double oversampling digital filter; 20-track random program memory; fluorescent display with music calendar, total/elapsed/remaining time, track number and program contents indication; auto function; 2 channels; FR 20-20,000 Hz ±1 dB; dynamic range > 92 dB at 1kHz; S/N ratio; THD < 0.007% at 1kHz; W&F unmeasurable. 3.63 x 16.63 x 10.31 in; 8.4 lb $269

DP-57 CD Player
Features auto function; optimum servo control; 3-beam laser pickup; double oversampling digital filter; 20-track random program memory; fluorescent display with music calendar, total/elapsed/remaining time, track number and program contents indication; system remote controllable through KA-127; 2 channels; FR 20-20,000 Hz ±1 dB; dynamic range > 92 dB at 1kHz; S/N ratio > 92 dB; THD < 0.007% at 1kHz; W&F unmeasurable. 3.63 x 16.63 x 10.31 in; 8.4 lb $229

KINERGETICS

KCD-30 Gold Series CD Player
Volume and balance controls on front panel to drive power amp directly; dynamic processing circuits; corrected-slope filter; hysteresis-distortion cancelling circuit; no capacitors in signal path; servo loop to eliminate DC offset; 3-speed search; dual D/A converters; 1-beam laser; 4-times oversampling; spring-isolated transport; program memory for 226 discs; indexing; 19 rack mount. Output level 4 V; 14 lb; 19 x 3.75 x 12.6 in $1,495

KCD-20AR Gold Series CD Player
Features remote-control; volume and balance controls on front panel; high-output voltage with ability to drive power amp directly; dynamic processing circuits; remote power supply; dual D/A converters; single-beam with quadruple oversampling; spring isolation of transport; full-function display; indexing; full-function remote option; 19″ standard rack mount $995

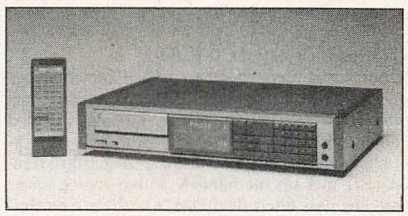
KCD-20A. Same as above without remote control $895
KRC-20. Add-on remote external eye. $99

KYOCERA

DA-910 CD Player
1-beam laser; digital filtering; programming of 24 tracks in random order; display of current track number, elapsed time of current track, remaining time on disc, program stored in memory; skip forward; skip back; cancel; repeat track, disc, phrase, program; cue by track number, index number; 8-function remote control; headphone jack (adjustable output). Max line output 5 V; THD at 1,000 Hz 0.005%; S/N 95 dB; sep 90 dB; FR 5-20,000 Hz ±0.5 dB; 22 lb; 17 x 5.5 x 13 in $1,600

DA-710 CX CD Player
Programs 24 tracks in any order, 99 tracks in sequential order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, program; 39-function remote control; headphone jack with adjustable level; digital filtering; 3rd-order analog filtering; dual D/A converters; sound audible during fast scan. Cues by track and index number. Displays current track number, remaining time on disc, and program in memory. Headphone output 50 mW. 18.12 x 3.56 x 12.12 in; 13 lb $850

DA-510CX CD Player
Quadruple oversampling digital filters; 2 discrete D/A converters; headphone jack with adjustable volume; gold-plated RCA jacks; 39-function remote control;



programs 20 tracks; optical isolation between digital and analog sections; digital output $700

DA-610CX CD Player
3-beam laser; 24-key hand-held remote control can be used in system remote or separately; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; programs 15 tracks in any order, 99 tracks in sequential order; headphone jack with adjustable level; 9th-order analog filtering; single D/A converter; sound audible during fast scan. Displays current track number, remaining time on disc, program. 18.12 x 3.56 x 12.12 in. $550

DA-410CX CD Player
10-button keypad on front panel and remote; programmability; compatible with timers; anti-resonant construction; ceramic chassis spacers; zirconia ceramic laser guide shafts; double oversampling; 16-bit D/A conversion; 3rd-order Bessel-derived analog filters; fluorescent display; headphone jack with level control; walnut veneer side panels $540

DA-310CX CD Player
Anti-resonant construction; zirconia ceramic laser guide shafts; 2-times oversampling; 16-bit digital-to-analog conversion; 3rd-order Bessel-derived analog filters; fluorescent display; headphone jack with level control; walnut veneer side panels $375

LUXMAN

D-03 CD Player
Drawer loading CD Player with 7-function remote.

Features one-beam laser; programming of 20 tracks in random order; skip forward/reverse; fast forward/reverse; cancel; repeat track, disc, program. Displays current track number, elapsed time of current track/current disc; remaining time; program stored in memory. Cues by track number, index number, time. Max line output 2 V; THD at 1,000 Hz 0.003% at 97 dB; FR 5-20,000 Hz ±0.5 dB; 17.81 x 3.31 x 13.75 in; 18.7 lb $1,500

D-109 CD Player
Features full-function remote control; serial remote jacks for connections to other Luxman products; digital output sends digital signal to Luxman LV-109 integrated amp; 1-4 time display functions; programs up to 20 tracks; index scan; A-scan plays first 10 sec of music; A/B switch to mark beginning and end of selected track(s) for repeat; memory check. FR 5-20,000 Hz -0.5 dB; THD 0.003% (1 kHz); dynamic range 100 dB; 17.25 x 4 x 15.25 in; 27.5 lb . $1,500

D-113 CD Player
Double oversampling digital filter; active 3rd order analog low pass filter; 3 beam laser; system remote capability; 16 program random memory. FR 5-20,000 Hz; THD 0.007%; S/N ratio 94 dB $650

D-102 Programmable CD Player
15 track programmability; skip functions; 10 key input; memory call switch; repeat; headphone level control; timer play switch. FR 5-20,000 Hz -0.5 dB; THD <0.004%; S/N ratio >96 dB; dynamic range >96 dB. 17.23 x 3.38 x 12.31 in; 11.9 lb $550

D-90 Remote Control CD Player
15 program random memory; separate power supplies for analog and digital circuits; 3 beam laser; track/index, track elapsed time and disc remaining time display; headphone level control. FR 20-20,000 Hz; THD 0.005%; S/N 91 dB..... $450

D-111 Remote Control CD Player
16 program random memory; 10 key system allows direct track access from remote handpiece; rear panel serial remote jacks accommodate Luxman's unified remote control systems. 3-beam low mass laser pick-up; high density magnetic disc clamper; anti-vibration laser pick-up mechanism; active analog linear phase low pass filter; dual DAC's with 2x oversampling digital filter. FR 5-20,000 Hz +0.5/-0.5; THD 0.06%; S/N ratio 106 dB; dynamic range 90 dB $350

D-113D Remote Control CD Player
16 program random memory; 10 key numeric handpiece and system remote capability; 10 key direct access and multi-function display; 3-beam low mass laser pick-up; high density magnetic disc clamper; anti-vibration laser pick-up mechanism; digital direct with optical and co-ax. Performance specifications are dependent on the digital direct amplifier with which the D-113D is used..... $550

MAGNAVOX

CDV474 CD-V/LaserVision CD Player
Remote-controlled combination player for CD-Audio, CD-Video, and LaserVision discs. Auto ID of disc type; programming. Video features include fast motion; slow motion; reverse play; freeze frame; random access ..... $749-$799

CDB650 FTS CD Player
Favorite Track Selection (FTS) memorizes programs from various disc (up to 785 tracks). Extra altered output; music scan; single play; digital output for CD graphics, CD-ROM; skip forward; skip back; 3-speed FF and reverse; 4-sec record-pause insertion; anti-jamming protection; repeat track, disc, program; headphone jack with adjustable level; infrared remote control; 1-beam laser; low-order low-pass digital filtering; high-order analog filter; dual D/A converters. Cues by track number. Oversamples at 176.4 kHz. Displays current track number, elapsed time of current track, elapsed time on disc, remaining time on disc. Headphone output 0-5 V. 16.5" w x 3.5" h x 11.75" d; 9.75 lb $499

CDB473 FTS CD Player
Favorite Track Selection (FTS) memorizes programs from various discs (up to 785 tracks); touch-close drawer; 24-function remote control with 10-digit keypad and volume control..... $399

CDB472 Remote-Controlled CD Player
Programs 20 tracks in any order; dual 16-bit D/A converters; headphone jack; 6-function remote; skip forward and back; 3-speed search (audible at 2 slower speeds); repeat; index access; quadruple oversampling digital filtering. Displays track number, index number, minutes, seconds, total tracks or total time, with indications for power, memory, errors, pause, repeat $299

CDB471 Programmable CD Player
Programs 20 tracks in any order; 3-speed search (music audible at 2 slower speeds); quadruple oversampling digital filter; dual 16-bit D/A converter; skip forward and back; time or track display..... $259

CDB482 CD Player
CD player with dual 16-bit D/A converters. Features CDM4 laser scanning assembly; 9-function infrared remote control; touch-to-close disc tray; 20-track memory programming; 4-digit LED display; next/previous track skip; 3-speed music search with cueing; repeat play; shuffle play; 3" CD-single compatibility; stereo headphone jack; FR 2-20,000 Hz; THD <0.02% at max output level; IMD 76 dB. 16.5 x 3 x 11 in$229

CDB486 CD Player
6-disc auto-changer CD player with dual 16-bit D/A converters. Features multi-function play capability; 11-function infrared remote control; CDM4 laser scanning assembly; auto play; 30-track memory programming; 5-digit LCD display; next/previous track skip; 3-speed music search with cueing; shuffle play; repeat play; stereo headphone jack; FR 2-20,000 Hz ±0.5 dB; S/N ratio >90 dB; THD <0.02% at max output level; IMD 76 dB. 16.5 x 3.25 x 12.5 in. $369

CDB473 CD Player
CD player with dual 16-bit D/A converters. Features 785 lifetime memory Favorite Track Selection; 24-function random access IR remote control; remote audio output control; touch-to-close motorized tray loading; random access programming; 3-speed forward/reverse search; 1-second track access time; full-function FTD display; digital output jacks; headphone jack with volume control; new CD2 integrated circuits; CDM2 laser assembly; anti-jamming disc/player protection; single track/normal/autoplay modes; music scan auditioning; next/previous track skip; FR 2-20,000 Hz; THD <0.003% at 1kHz; IMD <90 dB at max output. 16.5 x 3.5 x 11.75 in . $250

CDB480 CD Player
CD player with dual 16-bit D/A converters. Features CDM4 laser scanning assembly; touch-to-close disc tray; 20-track memory programming; 4-digit LED display; next/previous track skip; 3-speed music search with cueing; repeat play; shuffle play; stereo headphone jack; 3" CD-single compatibility; pause control; FR 2-20,000 Hz; THD <0.02% at max output level; IMD 76 dB. 16.5 x 3 x 11 in..... $219

MARANTZ

CD-94 CD Player
Features dual 16-bit converters; quadruple oversampling; digital outputs with optically coupled link to optional CDA-94 separate D/A converter; Favorite Track Selection memorizes over 200 disc programs; shuffle play; random-track programming; intro scan; three independent power supplies for digital, analog, and mechanical sections; programmable wireless remote; black rosewood side panels $1,700

CD-94G. As above with rose-gold finish and rosewood side-panels $1,800

CDC-6R CD Changer
Features 16-bit, 2 times oversampling double D/A convertors; wireless remote control; random 32-track programming from any or all six discs; shuffle play; FR 5-20,000 Hz; THD 0.03%; S/N ratio 94 dB; sep 90 dB. 4.87 x 17.12 x 14 in; 13.2 lb $499

CD-75DX CD Player
Features dual 16-bit converters; quadruple oversampling; digital data output for outboard D/A converter; bi-directional track skip; cue and review; random track programming and repeat; satin black finish$450
CD-65DX CD Player. Similar to above $400

CDC320BL CD Changer
Features wireless remote control; 6-disc magazine; 15-track programmable; 3-beam laser. 3.25 x 16.5 x 11.87 in; 11.2 lb $369

CD-50 CD Player
Drawer-loading CD player with wireless remote control. Features 3-beam pickup laser; 16-track random programming; skip forward; skip back; fast forward; fast reverse; repeat track and disc; digital filtering; dual D/A converters; cues by track number; oversamples at 88.2 kHz; displays current track number, elapsed time of current track, remaining time on disc. 3 x 16.5 x 10.88 in; 7.7 lb $350

CD-40 CD Player
Features 16 track programming; 16-bit double oversampling; forward/reverse search/skip; repeat play; track/index display; THD 0.07%; S/N 90 dB; 3 x 16.5 x 10.88 in; 7.7 lb $300

CD-60 CD Player
Features 16-track programmable memory; wireless remote control; motorized disc-loading; repeat play; numeric track and index display; stop/play/pause, repeat and memory indicators; forward/reverse search and skip; FR 5-20,000 Hz; THD 0.07%; S/N ratio 90 dB; sep 80 dB. 3 x 16.5 x 10.87 in; 7.7 lb .. $299

McINTOSH

MCD 7005 CD Player
Features wireless remote control with volume control; direct-access track, index, and time selection; volume control through McIntosh Precision Ladder Attenuator; 8-bit error correction system; twin 16-bit D/A converters with quadruple-oversampling. 32 lb $1,599

MELOS AUDIO

CD-T II Compact Disc Player
Dual-chassis player with 16 bit quadruple oversampling. Analog filtering an amplification; toroidal transformer and regulated power supplies contained in aluminium chassis; connectors are heavy gold plate; full function CD remote control; output 1.25 V RMS; 100 ohm output imp..... $1,495

CD-T Vacuum Tube CD Player
16 bit quadruple oversampling and digital filtering. Low microphonic tubes used for amplification and filtering. Remote control, scan, index, timer, drawer loading $1,095

MERIDIAN BY MADRIGAL

207 MKII Professional 2-Part CD Player
Drawer-loading CD player with single-beam laser pick-up assembly in a spring die-cast subchassis with stainless steel guides. Two-box construction allows the electronics unit to be mounted on side or above the transport unit. Features digital to analog converters, 4-digit display with total/elapsed/remaining disc time or vol level and information on track selections; also indicates absolute-phase polarity, repeat and



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error correction; built-in preamplifier facilities; inputs for CD, line, tape; outputs for fixed, variable, tape and headphones; distortion <0.004%; 6.3 x 3.9 x 12.6 in; 18 lb..... $2,250

209. Remote master control works with 207-PRO and other Meridian 200-series components; selects tracks; controls 8 inputs, volume, and mute; needs 9-V battery..... $150

MICRO SEIKI BY ANALOG EXCELLENCE

CD-M2 CD Player
Remote controls direct track access, programming, display, phrase repeat, skip forward and back, search forward and back, index search; independent power supplies for each digital printed circuit board, analog PCB, servo mechanism, and FL display; quadruple oversampling; Philips laser pickup mechanism; 2 D/A converters; 3rd-order Bessel analog filter; digital and optical outputs; Brazilian rosewood cabinet; rosewood trim on remote; convertible to 18 bits with outboard processor. FR 2-20,000 Hz ±0.1 dB. THD <0.0015%; S/N >104 dB at 1,000 Hz; dynamic range >96 dB; analog out 2 V rms; balanced analog out 1 mW/600 ohms; 48.4 lb $3,995

MISSION ELECTRONICS

PCM II CD Player
Front-loading CD player with touch close disc loading tray. Features scan; A/B repeat; direct access programming; phase inversion switch; headphone jack with adjustable volume on remote; 29-function remote control; dual 16-bit D/A converters; quadruple-oversampling digital filter; 20-track random programming; 3-mode time display; 3-speed search; digital output; four independent power supplies for digital and analog electronics; gold-plated RCA connectors..... $1,500

PCM 7000 CD Player
CD player with remote control and four separate power supplies. Features 16-bit quadruple oversampling digital filter; twin D/A/ converters; 20-track random programming; skip forward and back; fast forward; fast reverse; cancel; repeat track, disc, and program; cues by track; 1-beam laser; displays elapsed time, remaining time, program in memory. 17 x 3 x 13.5 in..... $999

MITSUBISHI

M-C5100 CD Player
Features dual 18-bit D/A convertors; 8-times oversampling; both optical and coaxial direct digital outputs; single master clock frequency for all digital circuits; anti-resonant construction; Photo Direct amplifier IC; automatic editing function; music calendar display of disc contents..... $600

DP-409R CD Player
Auto-changer with remote control 3 beam laser; repeat track and disc skip track and 30 segment programmable; 16-function, infrared wireless remote control..... $550
DM-5. 5 CD magazine for use with DP-409R.. $13

M-C4100 CD Player
Features five-disc capacity; 20-selecting programmability; audible scan; double oversampling; 16-bit D/A convertors; digital filtering; single clock frequency for all digital circuits; introscan; random play functions; direct random track access; 3″ disc compatibility; headphone jack with separate level control; wireless, full-function, remote control; anti-resonant chassis construction..... $449

DP-209R CD Player
Features 3 beam laser; 36 selection programmable; skip function; repeat play; 10 function remote control; adjustable headphone level..... $300

DP-212R CD Player
Features double oversampling; digital filtering; 36 programmable tracks; random access of any track; two-speed forward/reverse search; index search; repeat play; headphone jack; wireless remote; 3-beam optical tracking..... $249

DP-109 CD Player
Features 3 beam laser; 36 selection programmable; skip function; repeat play $240

THE MOD SQUAD

Prism CD Player
Drawer-loading CD player with 16-bit digital processing. Features quadruple oversam;oing; wierless infrared remote control; Favorite Track Selection; 20-track random programming; repeats disc, track, program, and phrase (A-B repeat); displays elapsed time of track and remaining time on disc; digital time domain alignment; separate digital and analog power supplies; DC coupling; fixed line outputs; output level 4 V rms; headphone jack with variable output level; digital outputs. FR 0.1-20,000 Hz ±0.05 dB; S/N 110 dB; THD 0.02%; 8 lb..... $1,200

Focus Plus CD Player
Drawer-loading CD player with damped suspended transport. Features 20-track random programming; 16-bit digital processing; quadruple oversampling; digital time domain alignment; wireless infrared remote control; repeats disc, track and program; displays elapsed time of current track and disc; fixed line outputs; headphone jack with fixed level; output level is 4 V rms; Favorite Track Selection; proprietary group delay filter; digital outputs; DC coupling. 7.5 lb..... $900
Focus CD Player. As above without proprietary group delay filter, digital outputs, or DC coupling $650

NAD

5300 Monitor Series CD Player
Wireless remote control; dynamic range control; ambience circuit; quadruple oversampling; drawer loading; CDR circuit; separate D/A converters; error display; 3-beam laser; skip and scan forward and back; displays track number, elapsed and remaining time; repeats disc; programming..... $898

5170 Monitor Series CD Player
Multiple play; 6-disc magazine and single play drawer; 16 bit D/A; 4x oversampling; CDR circuit; intro scan; 32-track programable memory; remote control including volume; rack mountable ... $748

5100 Monitor Series CD Player
Drawer loading; 16-bit decoding with 4x oversampling; CDRcircuit; remote control output level; variable and fixed outputs; 8 separate analog, digital and mechanical power supply sections; normal and delete mode programming; NAD designed analog and digital circuitry; rack mountable..... $598

5240 Remote-Controlled CD Player
Wireless remote control; dynamic range control; 3-beam laser; skip and scan forward and back; displays track number, elapsed and remaining time; repeats disc; programming of up to 16 tracks..... $448

5220 Programmable CD Player
3-beam laser; skip and scan forward and back; displays track number, elapsed and remaining time; repeats disc; programming of up to 16 tracks; timer compatible $348

NAKAMICHI

OMS-7AII Compact Disc Player
Drawer-loading CD player. Features 3-beam laser; digital filtering (resampling frequency 176.4 kHz); dual 16-bit, glitch-free D/A converters; programming of 24 tracks in random order; display of current track number, elapsed time of current track, remaining time on disc, program stored in memory; sound audible during fast forward and fast reverse; skip forward; skip back; fast forward; fast reverse; cancel; repeat disc, program; cue by track number, index number; 7-function remote control; headphone jack with adjustable level. Max line output 2 V; headphone output 35 mW; THD at 1,000 Hz 0.0025%; S/N >104 dB; sep >100 dB; FR 5-20,000 Hz ±0.5 dB; 16 lb, 5 oz; 17.12 x 3.94 x 12.12 in $1,995
OMS-5AII. As above, no remote control or programming capability..... $1,650

OMS-4A CD Player
Drawer-loading CD player with shunt-connected deglitching; multi-regulated power supply; magnetic chuck; remote control. Features programming of 15 tracks in any order; skip forward; skip back; fast forward; fast reverse; cancel; headphone jack with adjustable headphone level; 3-beam laser; 16-bit digital filter; dual D/A converters. Oversamples at 88.2 kHz; Displays current track number, elapsed time on disc. Headphone output 35 mW/40 ohms. 16.94 x 3.95 x 12.69 in; 15 lb $995

OMS-3A CD Player
Drawer-loading CD player with shunt-connected deglitching; multi-regulated power supply; magnetic chuck; remote control. Features programming of 15 tracks in any order; skip forward; skip back; fast forward; fast reverse; cancel; headphone jack with adjustable headphone level; 3-beam laser; 16-bit digital filter; single D/A converter. Oversamples at 88.2 kHz; Displays current track number, elapsed time on disc. Headphone output 35 mW/40 ohms. 16.94 x 3.95 x 12.69 in; 15 lb $850

CDP-2A CD Player
Mid-level CD player featuring 16-bit quadruple oversampling with digital filtering; dual D/A converters; third order bessel analog filter; multi-regulated isolated-ground power supplies; 24 memory programming function; wireless remote control with 24 key transmitter; headphone jack with level control; 3-beam laser pickup; FR 20-20,000 Hz +0.5/−1.0 dB; S/N >0.006%; 16.94 x 2.94 x 10.63 in; 8 lb..... $529

OMS-1A CD Player
Features 16-bit D/A conversion; double-oversampling digital filtering with 5th order active analog filter; dual-mono anlog circuits; independent digital and analog power supplies; 3-beam laser pickup with astigmatism detection; high-precision servo; synchronized digital timing; floating disc drive with precision centering; 15-track program memory; wireless remote control; bidirectional skip search; dual-speed cueing; repeat play; disc rotational velocity 200-500 rpm; FR 5-20,000 Hz; signal-to-noise ratio >96 dB; THD 0.007%; channel sep >88 dB; 16.94 x 2.94 x 10.63 in; 8 lb, 3 oz $329

NEC

CD-720 CD Player
Wireless remote control; 16-bit digital filter with quadruple-oversampling; dual D/A converters; optical decoupling; gold plated terminals; digital outputs; separate power supplies for digital and analog stages; 3-way edit; fade out; intro-scan; random play; 24-track random programming; 3-way repeat; 10-disc memory; programming delete; variable and fixed audio outputs; CD single compatibility $579

CD-620 CD Player
Wireless remote control; 16-bit digital filter with quadruple-oversampling; dual D/A converters; digital outputs; gold-plated terminals; separate power supplies for digital and analog stages; 24-track random programmable memory; auto/manual edit functions; random play; 3-way repeat; programming delete; intro-scan; direct access; 2-speed audible cue and review; CD single compatibility; headphone jack with adjustable level $479

CD-520 CD Player
Wireless remote control; 16-bit digital filter with double-oversampling; D/A converter; gold-plated terminals; 24-track random programmable memory; automatic edit; auto space; 3-way repeat; intro-scan; direct access; 2-speed audible cue and review; CD single compatibility; headphone jack with adjustable level..... $359

CD-420 CD Player
Wireless remote control; 16-bit digital filter with double-oversampling; D/A converter; gold-plated terminals; 20-track random programmable memory; auto space; auto space insert; 3-way repeat; direct access; 2-speed audible cue and review; CD single compatibility; headphone jack with adjustable level..... $299

NIKKO AUDIO

CD-500 CD Player
Features remote control with 10-key direct-access pad; timer play; space play; index programming; pause; fast search; all clear; headphone output with adjustable level. Optionally rack mountable .. $499

CD-300 CD Player
Features remote control; 3-beam laser; 18-track random programming; index programming; pause mode. Optionally rack mountable $299

ONKYO

Integra DX-7500 CD Player
CD player with 18-bit linear circuitry. Features 8-times-oversampling digital filter; separate left and right Opto-Drive D/A converters; opto-coupling; optical and coaxial digital outputs; DDAC output; fixed and variable analog outputs; separate power transformers for digital and analog stages; 3rd order GIC type analog output filters; 20-track random programming; random music calendar; integrated system remote compatible with supplied controller..... $700

Integra DX-5500 CD Player
CD player with 18-bit linear circuitry. Features quadruple-oversampling digital filter; separate left and right Opto-Drive D/A converters; opto-coupling; optical and coaxial digital outputs; fixed and variable analog outputs; separate power transformers for digital and analog stages; 3rd order GIC type analog output filters; 20-track random programming; random music calendar; integrated system remote compatible with supplied controller..... $600

DX-C600 CD Changer
Remote-controlled magazine-loading 6-disc CD changer with opto-coupling system to electrically separate the digital and analog sections. Features programmed playback; random shuffle playback; 3 repeat modes; skip forward; skip back; fast forward; fast reverse; direct access to disc and track numbers; multi-function FL display. 17.12 x 4.5 x 13 in; 13.2 lb..... $600
KC-600. Additional 6-disc magazines for DX-C600..... $19.95 ea

DX-C400 CD Changer
CD changer with 6-disc capacity. Features 3-beam laser pickup; double-oversampling digital filter; 32-track random programming; random play; repeat disc, track, and program; integrated system remote capability..... $430

DX-530 CD Player
Remote-controlled CD player with opto-coupling system to electrically separate the analog and digital sections. Features programming of 20 tracks in any order; shuffle play; repeat track, disc, program, A-B phrase, and shuffle play; direct access to tracks; auto-speed music search; index search; skip forward; skip back; 2-speed fast forward and reverse; timer function; headphone jack; motorized volume control; output CMN filter; digital filtering; vibration damping; 3-beam laser; digital output terminal; printed circuit boards with specially designed insulation packet to absorb electro-magnetic flux. Display indicates track number, index number, program in memory, remaining time of track/disc/program, elapsed time of track/disc/program. 17.12 x 3.62 x 14.06 in; 12.3 lb..... $450

DX-2500 CD Player
CD player with coaxial digital output. Features 3-beam laser pickup; double-oversampling digital filter; 16-track programming with edit function; 3-mode display with random track sequencing; 10-key direct play; integrated system remote compatible..... $320

DX-1500 CD Player
CD player with 3-beam laser pickup. Features double-oversampling digital filter; 16-track programming with edit function; 3-mode display with random track sequencing; integrated system remote capability..... $260

PANASONIC

RX-FD75 Portable Radio/Cassette/CD Player
FM/AM/FM stereo radio dual cassette recorder with built-in CD player, LCD clock timer, remote control and automatic tape level setting. Features edit pause; auto-manual recording mode selector; synchro-start function; built in remote control; extra bass system; LCD clock/timer with sleep function; bass/treble tone controls; 2-way 4-speaker system; jacks for AC-in, 2 lines out; ext. mic/mic mix, and headphone. CD player features 36-step random access programing; skip/search/repeat functions; music scan function. Radio cassette recorder features reverse mode selector; auto tape selector; feather-touch controls; dolby NR; auto relay playback system; tape program sensor; full auto-stop. Operates on AC power cord (included) or 10-D batteries (not-included);7.31 x 25.19 x 8.56 in; 15.19 lb..... $650

SL-P3900C CD Player
CD auto-changer with 6-disc magazine; 22-key, full function wireless remote control, and large 2-color FL display with music matrix. One-touch disc selection; 36-step random access programming; random play function; high speed linear motor access system; high resolution digital filter; quadruple oversampling; high resolution laser pickup; FR 2-20,000 Hz ±0.5 dB; S/N 96 dB; THD 0.006%; 16.88 x 4 x 12.38 in; 12.8 lb..... $499.95

RX-FD55 Portable Radio/Cassette/CD Player
FM/AM/FM stereo radio dual cassette recorder with



built-in CD Player and automatic tape level setting. Features edit-pause; auto-manual recording mode selector; synchro start function; extra bass system; 4-band graphic equilizer; jacks for AC-in, 2 lines-out; ext. mic/mic mix, and headphone; CD player features LCD display; 36-step random access programming. Radio cassette recorder features auto-reverse playback and recording; metal tape capability; feather-touch controls; full auto-stop. Operates on AC power cord (included) or 10-D batteries (not included); 2 4″ speakers; 16.81 x 23.88 x 6.94 in; 11.44 lb.... $430

RX-DT50 Portable Radio/Cassette/CD Player
FM/AM/FM stereo radio dual cassette recorder with built-in CD player and automatic tape level setting. Features extra bass system; tone controls; jacks for AC-in, DC-in, 2 lines-out, ext. mic, headphone optional car battery cord. CD features multi-info LCD display with music matrix indication; 10-key direct access music programming; 36-step random access programming. Radio cassette recorder features dolby NR; metal tape capability; soft-eject system; FM stereo/mono mode selector. Operates on AC power cord (included) or 8-D batteries (not included); 16.69 x 27.19 16.69 in; 11.69 lb..... $430

SL-P3800C CD Player
Large 2-color FL display. Features auto-changer with 6-disc magazine; quadruple oversampling; digital filter; separate DAC for each channel; 36-step random access programming; random play function; high speed linear motor access system; high resolution laser pickup; independent disc selection; direct access system; multi-function wireless remote; FR 2-20,000 Hz ±0.5 dB; S/N 96 dB; THD 0.006%; 16.88 x 4 x 12.38 in; 12.8 lb..... $399.95

SL-NP10 Portable CD Player
Programs 18 tracks; skip forward and back; repeat track, disc, and program; headphone jack with adjustable level; switchable high-cut filter; 1-beam laser; digital filter. Displays current track number, elapsed time of current track or disc, remaining time on disc. Plays up to 5 hrs on battery charge; in black, burgundy, or white. Includes rechargeable battery pack, AC adaptor, connection cord, soft case . $309

SL-P3510 CD Player
Programmable compact disc player with multi-function 2-color FL display. Features high speed linear motor access system; transport designed for 3″ and 5″ CDs; high resolution laser pickup; repeat function for single track, entire disc, or program contents; remote control terminal ready; 20-step random access programming; FR 2-20,000 Hz ±0.5 dB; THD 0.006%; 17 x 3.1 x 9.5 in..... $249.95

PARASOUND

D/VF-900 CD Player
Variable high frequency focus adjust CD player. Features double oversampling; digital filtering; triple beam laser; souble shock mounting; full feature wireless remote control; 36 audiophile-grade capacitors; gold-plated jacks; all metal chassis; 15 selection programming; repeat all/track/ any start-stop points; regulated power supply; high-speed audible search; headphone jack level control; FR 5-20,000 Hz; S/N 99 dB; THD <0/005%; sep >86 dB; max search time 3 sec; 17.25 x 3.5 x 12 in..... $400

PHILCO

CD2471 CD Player
Programs 20 tracks in any order; 3-speed search (music audible at 2 slower speeds); quadruple oversampling digital filter; dual 16-bit D/A converter; skip forward and back; time or track display..... $280

PHILIPS

960 CD Player
Features dual, 16-bit D/A converter with quadruple oversampling; FTS favorite track selection; die-cast aluminum nonmagnetic main- and subchassis; fast track access; Copy Pause; single-beam pickup; 2-motor front- loading drawer; anti-jamming protection; keypad track selection; 20-track random-access programming; infrared full-function remote control; information display; search forward, reverse keys with 3-speed search keys; Repeat key; Scan key; optical coupler; FR 2-20,000 Hz; S/N >105 dB; dynamic range >96 dB; sep 105 dB; THD 0.0015%; ultrasonic noise rejection (24.1 kHz) >60 dB; W&F unmeasurable. 4.0 x 16.8 x 15.3 in; 21.1 lb ... $949

880 CD player
Features dual, 16-bit D/A quadruple oversampling converters; die-cast aluminum nonmagnetic chassis; CDM1 MKII single-laser pickup arm; remote digital volume control; FTS favorite track selection; multi-function display with Music Calendar programming; Copy Pause; shuffle function; search forward and reverse keys with 2-speed music search keys; timer switch; Direct Play/Program modes via 10-key pad; copper heat sinks; FR 2-20,000 Hz; S/N >103 dB; dynamic range >96 dB; sep >103 dB; THD <0.002%; ultrasonic noise rejection (24.1 kHz) >60 dB; W&F unmeasurable. 3.52 x 16.8 x 14.52 in; 22.5 lb $749

680 CD Player
Features dual, 16-bit D/A converters with quadruple oversampling; CDM 2 single-beam laser pickup; FTS favorite track selection; 10-button remote control; random access programming; 3-speed forward and backward music search; multi-function display of major functions; Skip Up; Skip Down; integrated high-precision servos; motorized tray; digital output jack; FR 2-20,000 Hz; S/N >100 dB; dynamic range >96 dB; sep >96 dB; THD <0.003%; ultrasonic noise rejection (24.1 kHz) >60 dB; W&F unmeasurable. 16.8 x 3.0 x 11.2 in; 6.8 lb $329

875 CD Changer
Features dual, 16-bit D&A converter with quadruple oversampling; six-disc changer; single-disc tray; optional six-disc magazine for new 3″ singles; 40-track programming with calendar-type display; FTS favorite track selection; shuffle play; A-B repeat; scan-play remote volume control; headphone volume control; LCD remote; aluminum-front, metal chassis. . . $499

PIONEER

CD Players

Elite PD-91 CD Player
CD player with 8-times oversampling digital filter and dual 18-bit D/A converters. Features 3rd order low-pass analog Butterworth filter; laser pickup with integral buffer amplifier; 24-track random-access programming; music window search; random play; digital fader with variable fading time; auto program edit; time edit; digital output jacks; coaxial and optical outputs; headphone jack with adjustable level; FL display; 4 separate power supplies; laminated iron plate coated with polyacetal and copper-plated honeycomb plates; coil springs with rubber dampers to support subchassis $1,300

PD-7100 CD Player
CD player with 8-times oversampling digital filter. Features remote control; dual 16-bit linear envelope D/A converters; Class-A FET buffer amplifier; coaxial and optical digital output; 24-track random programming; 20-track music calendar; fade in/fade out; timer start system; digital level control; FL display; Pioneer disc stabilizing system; 2-speed manual search; non-repeating random play; repeat disc, track, and program $565

PD-5100 CD Player
CD player with quadruple-oversampling digital filter. Features remote control; dual 16-bit D/A converters; 20-track random programming; 20-track music calendar; fade in/fade out; timer start system; FL display of track and elapsed time on disc; Pioneer disc stabilizing system; 2-speed manual search; non-repeating random play; repeat function for disc, track, and program $335

PD-4100 CD Player
CD player with double-oversampling digital filter. Features remote control; dual 16-bit D/A converters; 20-track random programming; 20-track music calendar; fade in/fade out; timer start system; FL display; Pioneer disc stabilizing system; 2-speed manual search; non-repeating random play; repeat disc, track, and program $250

Changers and Combi-Players

CDL-3030 CD/CDV/LD Player
Combi-player which plays 8- and 12-inch LaserDiscs, CD's, CD-video's, and CD-3's. Features remote control; quadruple-oversampling digital filter; 8-bit digital-field memory; video special effects; dual D/A converters; optical digital audio output; 20-chapter programmablility; 10-key direct access search; still/step; 2-speed silent scan; frame-time search; chapter search; 9-step multi-speed play $1,300

Elite PD-M900 CD Changer
Magazine-type CD changer with 6-disc capacity and remote control. Features anti-resonance honeycomb/copper chassis; gold-plated output jacks; anti-vibration insulators; 8-times oversampling; dual D/A converters; coaxial and optical digital output; MPSS



(magazine program selection system) for 256-selection programming and magazine/program labeling from remote control; time/fade edit; auto-fader; delete; non-repeating random play; direct access disc and track selection; 2-speed manual search; repeat disc, track, and program hand-brushed lacquer finish; rosewood-finished side panels $825

PD-M700 CD Changer
Magazine-type CD changer with 6-disc capacity and remote control. Features 8-times oversampling; dual D/A converters; coaxial and optical digital output; MPSS (magazine program selection system) for 256-selection programming and magazine/program labeling from remote control; time/fade edit; auto-fader; delete; non-repeating random play; direct access disc and track selection; 2-speed manual search; repeat disc, track, and program $720

PD-M600 CD Changer
Magazine-type CD changer with 6-disc capacity and remote control. Features 4-times oversampling; dual D/A converters; MPSS (magazine program selection system); time/fade edit; auto-fader; delete; non-repeating random play; direct access disc and track selection; 2-speed manual search; repeat disc, track, and program $585

PD-M500 CD Changer
Magazine-type CD changer with 6-disc capacity and remote control. Features 4-times oversampling; dual D/A converters; 32-track programming; time/fade edit; auto-fader; delete; non-repeating random play; 2-speed manual search; repeat disc, track, and program $470

PD-M400 CD Changer
Magazine-type CD changer with 6-disc capacity. Features double-oversampling; dual D/A converters; 32-track programming; time/fade edit; auto-fader; delete; non-repeating random play; 2-speed manual search; repeat disc, track, and program $400

PROTON

AC-300 CD Player
CD player with wireless remote control. Features one-beam laser pickup; Cross Interleave Reed Solomon Code (CIRC) error correction; quadruple-oversampling digital filter; 20-track progammable memory; 3-speed music search; precise audible cueing at two lower speeds; real time digital display of total tracks, total playing time, track number, and elapsed time of each track; repeat disc, track, and program; headphone jack with adjustable level. FR 20-20,000 Hz ±3 dB; dynamic range 96 dB; S/N 96 dB; ch sep (at 1 kHz) 94 dB; THD (at 1 kHz) 0.003%; IMD 0.003%. 16.5 x 3.4 x 11.2 in; 7.9 lb $399

QUASAR

CD8966 Portable CD Player
Features 5-hr operation with rechargeable battery pack; multi-function LCD readout; 18-step random-access programming; hi-cut filter for headphone listening; high-resolution digital filter; 4-step battery check indication $300

CD8956 CD Player
Drawer-loading CD player with direct access. Features high-speed linear-motor access system; skip forward; skip back; fast forward; fast reverse; cancel; programming of 20 tracks in any order; repeat track, phrase, disc, and program; one-beam laser; single D/A converter; 96th-order FIR double-oversampling filter; audible fast scan. Cues by track and index number. Displays current track number, elapsed time of current track, elapsed time on disc, remaining time on disc;. 16.94 x 3.03 x 0.19 in $250

CD8936 Portable CD Player
Top-loading portable CD player with direct access and switchable high-cut filter for HP output. Features skip forward; skip back; fast forward; fast reverse; headphone jack; repeat disc and track; one-beam laser; single D/A converter; audible fast scans. Cues by track number. Displays current track number, elapsed time of current track, remaining time on disc. Headphone output 15 mW. 4.97 x 1.25 x 4.97 in; 13.8 oz. $240

CD8946 CD Player
Programmable CD player features high-resolution digital filter; high-speed linear motor, 20-step random-access programming; multi-function FL display; preset editing; stop/search forward and reverse; 2-speed search with cueing sound. S/N 96 dB; THD 0.004%; FR 4 Hz-20,000 Hz ±0.3 dB. 16.94 x 3.03 x 9.44 in $230

CD8988 CD Player
Remote control CD player features 6-disc changer; quick response direct entry system; 36-step random access progrom $350

RCA

MCD245 Dimensia CD Player
CD player with Dimensia remote-control operation and on-screen status indication when used with Dimensia monitor. Features 15-track random programming; forward/reverse search for track, index, or scan; repeat; auto switching; system record protection logic; SystemLink cabling; powered disc-loading drawer; directory display panel; independent suspension system; manual function controls; 3-beam laser pick-up. FR 5-20,000 Hz ±1.0 dB; S/N >95 dB; THD 0.005% (at 1,000 Hz); sep 90 dB (at 1,000 Hz); sampling FR 44.1 kHz. 14.63 x 3 x 10.63 in . . . $299

REALISTIC

CD-3200 Portable CD Player
Mini jack for use with headphones and cable for home stereo system; soft-touch controls beep when pressed; auto search; 2-speed scan forward and back; programs 16 tracks; 6-digit LCD readout; snap-on battery pack needs 4 AA batteries. 6.5 x 5.5 x 1.3 in with battery pack; 4.9 x 4.9 x 1.06 in without battery pack $220

CD-1600 CD Player
Skips forward and back; 2-speed search forward and reverse; programs 16 tracks; 3-way repeat; index search; repeat tracks; music calander to show program contents; switchable; floating disc tray; auto space; 3-spot laser; wireless remote needs 2 AA batteries $250

CD-2400 Programmable CD Player
Programs 15 tracks; 3-spot laser; floating disc tray; 4-digit fluorescent display; repeats track, program, disc; scan forward and reverse; bi-directional auto search; 3-way repeat of programmed selections, entire disc or single selection $200

CD 6000 CD Player
Remote control changer-plays up to 6 discs automatically; includes 6-disc magazine; 32 tracks; 2x over sampling; tri-spot laser; 3-way repeat; dual-mode LED display; auto-search; bi-directional audible skip and search $360

REVOX

B226-S CD Player
Drawer-loading CD player with Revox system-remote compatibility. Features 16-bit, quadruple oversampling; new generation transport and D/A converters; diplay shows track number, time remaining, time elapsed for both track and disc; fixed and variable outputs; 2-digital outputs; 19-step programming by track/index access from 1-99; audible for ward/reverse search; locate function; headphone jack with adjustable level; FR 20-20,000 Hz ±0.1 dB; S/N >100 dB; 17.7 x 4.3 x 13 in; 18.7 lb..... $1,800
B126 CD Player. Similar to B150-S $1,275

ROTEL

RCD-820BX2 CD Player
20 programmable selections; Repeat functions for disc, track, and entire program; 16-bit quadruple oversampling decoding system; FR 20-20kHz ±0.08dB; THD 0.0025%; S/N 100dB. Regulated power supplies and selected components. 7 lb $749

RCD-850 CD Player
Drawer-loading CD player with programming of 9 tracks in random or sequential order. Features skip forward; skip back; fast forward; fast reverse; cancel; repeat track; repeat disc; 3-beam laser; high-slope



digital filtering; 3rd-order analog filtering; single D/A convertor. Oversamples at 44.1 kHz. Cues by track number. Displays current track number, elapsed time of current track. 17 x 3.81 x 11.44 in; 9 lb $379

SAE

D102 CD Player
Fully programmable, single beam laser, computer direct-line CD player. Features random access function for 20 tracks; LED readout for track, time mode, error alert, and repeat; cueing function; bi-directional, 3-speed audible search modes; previous/next track; error correction; quadruple oversampling at 176.4 kHz through 16 bit processor; 12 function infrared remote control commander; FR 2-20,000 Hz ±0.3 dB; phase linearity ±0.5 degrees; S/N >100 dB; THD 0.006%; CIRC error correction $599

SAMSUNG

RCD1000 Portable CD System
Combination CD player/cassette deck/AM/FM tuner. Features 3-beam vertical-type pickup; 16-track programming; repeat track and disc; one-touch record; autostop; LCD track number and time; synchro-dubbing CD-to-tape. 23 x 6.63 x 6.25 in; 9.25 lb$270

SANSUI

CD-X701i CD Player
Features 3 beam laser; oversampling digital filter. 28-key remote control; AMPS; repeat one track, point A to point B, and all tracks; random programming for up to 20 tracks; headphone output w/volume control. S/N 105 dB; FR 5-20,000 Hz. 17.56 x 3.75 x 16.13 in; 20.3 lb..... $650

CD-X510M CD Changer
Dual-cartridge, multi-play, 12-disc CD Changer with single-play tray and CD-3 adaptor. Features remote control; two 6-disc magazine-type cartridges; random programming; variable music/intro scan; 3 repeat modes; dual D/A converters; double-oversampling digital filter. FR 5-20,000 Hz; dynamic range >95 dB; S/N 100 dB; THD (at 1,000 Hz) 0.004%. 5.7 x 17 x 12.63 in..... $630

CD-X501i CD Player
CD player with quadruple-oversampling digital filter. Features dual D/A converters; digital output; FL display; 20-track random programming; random play; 4-way repeat; variable time music scan; Dynamic Servo System; master clock; flux-free chassis. THD (at 1 kHz) 0.003%; FR 4-20,000 Hz; dynamic range >97 dB; S/N >106 dB. 3.88 x 17.7 x 12.5 in.. $600

CD-X301i CD Player
CD player with double-oversampling digital filter. Features dual D/A converters; FL display; 20-track random programming; random play; 4-way repeat; Dynamic Servo System; master clock; FR 4-20,000 Hz; dynamic range >96 dB; THD (at 1,000 Hz) 0.003%. 3.75 x 17 x 11.1 in $390

CD-X310M CD Changer
Magazine-type CD changer with 6-disc capacity. Features 32-track random programming; 3-way repeat; 3-beam pickup; full-function remote control; 16-bit linear D/A converter; AMPS (Automatic Music Program Search). FR 5-20,000 Hz; THD 0.008% at 1 kHz; S/N >93 dB. 3.5 x 16.5 x 13.3 in; 11.2 lb $390

CD-V1000 CD Player
CD player with 24-track random programming. Features double-oversampling digital filter; 3-way repeat; synchronized operation with some Sansui tape decks; multi-function LED for total time, elapsed time, and time remaining on disc. FR 5-20,000 Hz; dynamic range 95 dB; THD (at 1 kHz) 0.003%; output voltage 2 V. 3.63 x 17 x 11 in; 10.8 lb $320

SANYO

CPM1000 CD Changer
10-disc CD-changer with remote control. Features 10-disc magazine; single disc magazine; 24-button remote control; 32-track programmability; random play; intro-scan; 3-beam tracking mechanism; skip & search mechanism; multi-function FL display; internally-damped suspension system; mic mixing; 3-way repeat operation; 3-beam tracking system; adjustable output level from remote and front panel; timer play. 16.75 x 4.5 x 12 in; 11 lb, 14 oz $500

MCD45KN CD Boombox
CD Boombox with built-in AM/FM stereo tuner and cassette player/recorder. CD section features full programmability; CD-3 capability. Tape section features autoreverse. Other features include infrared wireless remote control; surround-sound capability with additional surround speakers; AMSS (Automatic Music Select System); built-in quartz-lock timer; multi-function LCD bass and treble controls; CD/line output terminals; headphone jack. Comes with free 5" CD sampler $400

CP12 Portable CD Player
Ultra-thin portable CD player with new drive mechanism and LSI for compactness. Features 16-track programming; 3-beam laser; vibration-resistant design; dynamic range 86 dB; selection skip; selection search; repeat track or disc; phone mute switch; rechargeable lead battery provides 4.5 hours of operation. 4.94 x .75 x 5 in; 13 oz..... $300

CP850 CD Player
CD player with infrared wireless remote control. Features 16-track programming; multi-function LCD display; 3-beam laser; isolated suspension system; skip forward/reverse; forward/reverse search; repeat disc. 16.75 x 3.5 x 10.75 in; 7 lb, 8 oz..... $250

CP860 CD Player
CD player with double-oversampling digital filter and 16-key wireless remote control. Features CD-3 capability; dynamic range 96 dB; 3-beam pickup; 16-track programmability; skip; search; repeat program; calendar display $220

CP820 CD Player
CD player with double-oversampling digital filter. Features CD-3 capability; dynamic range 96 dB; 3-beam pickup; 16-track programmability; skip; search; repeat program..... $160

SCOTT

DA990 CD Player
3-beam laser; digital filtering (oversamples at 88.2 kHz); full-function wireless remote; programs 20 tracks in any order; 16-bit D/A converter; switchable analog filter; headphone jack with volume control; big chrome-plated feet; auto space $400

DA1000 Dual-CD CD Player
CD player with 2 CD drawers. Features 22-key wireless remote control; 30-track random programming; CD-3 capability; skip search; index search; 2-speed manual search; 3-way repeat playback; headphone jack with volume control; CD, A/B selector with LED indicator; program selection display; 3-beam pickup; 16-bit linear D/A converter. THD 0.03% at 1 kHz. 4.4 x 17.1 x 11.75 in; 13 lb $350

DA963 CD Player
Programs 15 tracks in any order; skip forward; skip back; fast forward; fast reverse; repeat track, disc, program; 8-function remote control; 3-beam laser; digital and analog filtering; single D/A converter; sound audible during fast scan. Cues by track number. Displays current track number, elapsed time of current track, elapsed time on disc, remaining time on disc, program in memory. 11.1 lb; 17.25 x 3.75 x 11 in $300
DA952. As above without remote control $200

SHARP

CD Players

DX-R780 CD Player
CD player with 20-track random-access programming. Features 10-key direct access; double-oversampling digital filter; FL display; 3-beam pickup; cue and review; auto program search system; repeat function; digital time counter and mode indicator; wireless remote control $300

DX-R750 CD Player
Compact disc player with infrared remote control; APMS; APLD; APSS; cue/review; playback time display in seconds & minutes. 17 x 3.13 x 11.75; 9.7 lb$290

DX-660 CD Player
CD player with 20-track random-access programming. Features 10-LED sound level meter; auto program search system; cue and review; repeat function; front-loading disc table $230

DX-650 CD Player
Compact disc player with 3-beam laser; 20-selection random-access programming; APSS; cue/review; repeat function; front-loading disc table $210

CD Changer

DX-C5000 CD Changer
Magazine-type CD changer with 6-disc capability.

Features 32-track random-access programming; memory backup function; single and all repeat function; double-oversampling digital filter; FL display; APSS (auto program search system); monitor search; cushioned floating mechanism $400

Portable CD Players

Optonica CDX-17 Portable CD System
Portable CD player/double cassette deck/AM/FM stereo. Tuner: 10 AM/20 FM station presets; S/N 60 dB stereo; alt ch sel 55 dB. CD: double-ovesampling digital filter; 3-beam pickup; 20-track APMS random programming; random play; repeat play; continuous play; FR 20-20,000 Hz ± 1 dB; S/N >90 dB. Cassette: full-logic controls; double autoreverse; one capstan; W&F 0.19% wrms; S/N 62 dB Dolby B. Other features: Dolby B noise reduction; X-Bass sound; 20 W/ch amplifier; 35-key wireless remote control; 2 tripod-mountable speakers with FR 70-20,000 Hz; matrix surround sound capability; digital clock timer; 4-band graphic equalizer..... $1,000

WQ-CD83 Portable CD Changer System
Portable 2-disc capacity CD changer/double cassette deck/AM/FM stereo. CD: 16-bit digital filter; 3-beam pickup; 24-track APMS random programming; random play; repeat play; continuous play; FR 20-20,000 Hz. Cassette: full-logic controls; high-speed dubbing; double autoreverse; one capstan; W&F 0.15% wrms; S/N 60 dB Dolby B. Other features: Dolby B noise reduction; X-Bass sound; 3 amplifiers; wireless remote control; 2 speakers; super woofer; matrix surround sound capability; clock timer; 4-band graphic equalizer with LCD spectrum analyzer; APSS..... $700

WF-CD77 Portable CD System
Portable CD player/double cassette deck/AM/FM stereo. CD: wireless remote control; 16-bit digital filter; 3-beam pickup; 20-track random programming; random play; repeat play; continuous play. Cassette: full-logic controls; high-speed dubbing; double autoreverse; one capstan. Other features: Dolby noise reduction; two 2-way speakers; clock timer; 4-band graphic equalizer; APSS (Automatic Program Search System) $630

QT-CD20 Portable CD System
Portable CD player/cassette deck/AM/FM stereo. CD: auto program search system; automatic programmable music selector; 16-bit digital filter; 3-beam pickup; 20-track random-access programming; random play; repeat play. Other features: two 2-way speakers; clock timer; 3-band graphic equalizer..... $320

SHERWOOD

CDP-300R CD Player
Drawer-loading CD player remote compatible with Sherwood remote-controlled receivers. Features programming of 20 tracks in any order; skip forward; skip back; fast forward; fast reverse; one-beam laser; quadruple oversampling digital filtering; 1st-order linear-phase analog filtering; sound audible during fast scan; display for current track number, elapsed time of current track, and elapsed time on disc. 3.25 x 17.36 x 9.75 in; 11 lb $300

CDP-250R CD Player
Features Sherwood Digi-Link remote compatibility; 3 beam laser pick-up; double oversampling digital filter; 16 selection random programming; motorized front loading disc tray; 3 mode repeat; random-play select; auto space; auto timer play; LCD multi function display $260

CD-1160R CD Player
Features Sherwood Digi-Link remote capability; 3-beam laser; random programming up to 20 selections; multi-function LCD display; double oversampling digital filter; auto-space for making auto-search capable recording; 4 way repeat feature; motorized touch-sensitive disc loading; random play alternates playback sequence. 2.8 x 17.3 x 10.2 in $249

SHURE

D6000 CD Player
Drawer-loading CD player with wireless remote control incuding remote volume. Programs 15 tracks in any order. Features subcode output; skip forward; skip back; fast forward; fast reverse; cancel; repeat track; repeat disc; repeat phrase; repeat program; cue by track; cue by time; 19-function remote; headphone jack; adjustable headphone; three-beam pickup; oversamples at 88.2 kHz; independent L/R digital filters 80 dB attenuation; five-pole active above 30,000 Hz analog filtering; dual D/A converters; display of current track number; display of elapsed time of current track; display of program in memory; sound audible during fast scan. Headphone output 5 V; 11 lb; 16.9 x 2.9 x 12.9 in $599

SONY

CD Players

CDP-707ESD CD Player
Programmable CD player with 8-times-oversampling digital filter. Features CD-3 capability; 18-bit linear dual D/A converters; independent converters for left and right channels; error prediction logic circuit; envelope differential detection system; single aspheric lens laser pickup assembly; noncogging linear motor transport; separate power supplies for digital and analog circuits; direct digital outputs capable of relaying combination digital data and subcode-graphics signals; optical digital output for transmission of data via fiber-optic cable. Also features Custom File which enables programming and storing of special data for up to 226 separate discs. Custom file is comprised of Disc Memo, a ten-character message which is input by the user and then appears on the display after disc has been loaded, Custom Index, which allows user to input 6 marked index locations on any disc, and Program Bank, which stores a particular track selection and playback sequence for each disc $1,800
CDP-507ESD. As above without 18-bit linear dual D/A converters and twin power transformers. Approx..... $600
CDP-307ESD. As above without 8-times-oversampling digital filter, error protection logic, or coaxial and optical digital outputs..... $475

CDP-950 CD Player
CD player with Remote Commander unit. Features unilinear converter/digital filter; dual D/A converters; envelope differential detection system; monocoque chassis; 5 power supply stages; aspheric optical pickup; 16-bit digital filter with quadruple-oversampling; 20-key direct music selector and delete shuffle play capability; 20-selection music calendar; Custom File; variable line output; memory backup; CD-3 capability $450

CDP-207ESD CD Player
With 20-key direct selection and CD-3 capability. Features 20-selection music calendar; convenient play modes; program edit capability; delete shuffle play and automatic timer play. Comes with Remote Commander $370

CDP-750 CD Player
CD player with Remote Commander unit. Features unilinear converter/digital filter; dual D/A converters; envelope differential detection system; monocoque chassis; 5 power supply stages; aspheric optical pickup; 16-bit digital filter with quadruple oversampling; 20-key direct music selector and delete shuffle play capability; 20-selection music calendar; CD-3 capability $370

CDP-550 CD Player
CD player with Remote Commander unit and CD-3 capability. Features unilinear converter/digital filter; dual D/A converters; envelope differential detection system; monocoque chassis; 16-selection music calendar; fluorescent display; various repeat modes; program edit capability; shuffle play; headphone output level control and auto timer play $280

CDP-350 CD Player
CD player with shuffle play and CD-3 capability. Features unilinear converter/digital filter; dual D/A converters; envelope differential detection system; monocoque chassis; 16-selection music calendar; fluorescent display; various repeat modes; program edit capability; shuffle play; headphone output level control and automatic timer play $240

CD Changers

CDP-C15ESD CD Changer
10-disc CD changer with DiscJockey cartridge-loading system. Features 18-bit 8-times-oversampling digital filter; dual 18-bit linear D/A converters; direct digital output; EPL (error prediction logic); left/right twin circuit configuration; 9-section multiple power supplies. Also features Custom File which enables programming and storing of special data for up to 226 separate discs. Custom File is comprised of Disc Memo, a ten-character message which is input by the user and consequently appears on the display every time disc has been loaded, Custom Index, which allows user to input 6 marked index locations on any disc, and Program Bank, which stores a particular track selection and playback sequence for each disc. Also features 10+10 key direct-access; 20-selection random music sensor; high-speed search; automatic music sensor; 4 repeat modes; music calendar. $800

CDP-C100 CD Changer
10-disc CD changer employing magazine compatible with Sony car changers. Features unilinear converter; quadruple-oversampling digital filter; envelope differetial error detection system; multiple power supplies; aspheric optical pickup; 3-beam laser; Custom File $620

CDP-C7ESD CD Changer
5-disc carousel CD changer with Remote Commander unit. Features quadruple-oversampling 16-bit digital filter; dual D/A converters; Custom File; 16-selection music calendar; shuffle play; timer switch; variable line output; disc select and output level controls..... $480

CDP-C70 CD Changer
5-disc carousel CD changer. Individual discs can be selected at the touch of a button or by using the Disc Select key on the supplied Remote Commander. Discs can be played sequentially, or up to 32 selection can be programmed to play in any order. Features unilinear converter; quadruple-oversampling digital filter; envelope differential error detection system; multiple power supplies; aspheric optical pickup; three-beam laser; shuffle play; 16-selection music calendar; timer switch; headphone output with level control; Custom File; variable line output.... $450

CDP-C50 CD Changer
5-disc carousel CD changer. Individual discs can be selected at the touch of a button or by using the Disc Select key on the supplied Remote Commander. Discs can be played sequentially, or up to 32 selection can be programmed to play in any order. Features unilinear converter; quadruple-oversampling digital filter; envelope differential error detection system; multiple power supplies; aspheric optical pickup; three-beam laser; shuffle play; 16-selection music calendar; timer switch; headphone output with level control..... $350

Portable Compact Disc Players

D-T10 Portable CD Player
Lightweight CD player with AM/FM quartz tuner.

Axiom

Exact Engineering for Exacting Engineers





THE AXIOM AX 5 REFERENCE LOUDSPEAKERS HAVE EARNED RECOGNITION BY SEVERAL ESTEEMED RECORDING STUDIOS THROUGHOUT NORTH AMERICA AS THE MOST ACCURATE LOUDSPEAKERS AVAILABLE, IRRESPECTIVE OF PRICE.

PICTURED HERE ARE THE AX 5 REFERENCE LOUDSPEAKERS IN THE SYNCLAVIER ROOM AT LE STUDIO, MORIN HEIGHTS IN QUEBEC, CANADA. LE STUDIO, FAMOUS FOR RECORDING ARTISTS SUCH AS DAVID BOWIE, THE POLICE, COREY HART AND CAT STEVENS, IS ONE OF THE MOST TECHNOLOGICALLY ADVANCED STUDIOS IN THE WORLD. WHEN PERFORMANCE AND ACCURACY ARE IMPORTANT, AXIOM IS THE CHOICE OF THE PROFESSIONALS. WE HOPE YOU MAKE IT YOURS.

CIRCLE NO. 68 ON READER SERVICE CARD

AXIOM HWY. #60, DWIGHT, ONTARIO, CANADA P0A 1H0 (705) 635-2222

Features AMS (automatic music sensor); programming of 21 tracks in any order; 5 repeat modes; skip forward and skip back; audible fast forward and reverse; auto-tracking recovery; oversampling digital filter; pulse-width-modulation integrated circuit to reduce power consumption to 1.8 W; ultra-thin 3-beam optical pickup with a single aspheric plastic lens; laser pickup assemble integrated with an elastic damper arm. Tuner section features 5AM/5FM station presets; local/DX switch. Remote controllable with optional remote commander (RM-DM1K). Includes BP-100 rechargeable battery; AC adaptor; connecting cords; soft carrying case; shoulder strap..... $460

D-15 Portable CD Player
Features uniliner converter/digital filter; single aspheric lens laser pickup; auto tracking recovery system; internal battery system; BP-2 rechargeable battery; random music sensor 21-track programming; four repeat modes including track, disc, A/B, and shuffle; remote control with RM-DM1K remote commander; multi-function back-lit liquid crystal display including battery strength indicator; index search; key hold switch. Includes AC adaptor, rechargeable battery, line-out jacks, carrying case, and strap. 1.03 x .8 x 5.3 in..... $360

D-T4 Portable CD Player
Portable CD player with AM/FM tuner. Features unilinear converter/digital filter; single aspheric lens laser pickup; auto tracking recovery system; BP-3 rechargeable battery; random music sensor 16-track programming; four repeat modes including 1, all, A/B, and shuffle; remote control with RM-DM1K remote commander; multi-function back-lit LCD including battery strength indicator; local/DX switch. Comes with AC power adaptor, line-out cord, carrying case, and strap $320
D-4. As above without tuner..... $260

D-160 Portable CD Player
Features AMS auto music sensor; skip forward; skip back; unilinear converter; digital filter; 3-beam laser; back-lighted LCD panel; built-in anti-shock servo with fully floating mechanism for accurate tracking; AC/DC operation; line output; headphone jacks. Includes CPA-1 car cassette adaptor, CPM-100P car mounting plate; patch cords, AC adaptor, and carrying strap. Remote controllable with optional RM-DM1K remote commmander..... $260

SONOGRAPHE BY CONRAD-JOHNSON

SD-1 CD Player
Drawer-loading CD player with discrete FET audio circuits and power supplies designed by Conrad-Johnson. Features programming of 20 tracks in any order; skip forward; skip back; fast forward; fast reverse; repeat disc, program; headphone jack; digital filtering; dual D/A converters; sound audible during fast scan. Cues by track and index number. Oversamples at 176.4 kHz. Displays current track number, program in memory; elapsed time of current track. 3.75 x 18 x 12-in.; 8.5 lb $695

SOUNDCRAFTSMEN

CD750 CD Player
CD player with differential/compander circuitry. Features high dynamic range; optional tening; spectral gradient circuit; both circuits bypassable; indexing; digital filter; all-metal chassis; audible scan; random; passage-repeat; 3-beam laser; full function infrared remote control; oversampling; multi-function flourescent display; variable volume control headphone jack; gold-plated output jacks; shock-mounted disc-handling; 19 x 3.25 x 12 in $599

SYLVANIA

CD1473 FTS CD Player
Favorite Track Selection memorizes programs from various discs (up to 785 tracks); touch-close drawer; 24-function remote control with 10-digit keypad and volume control..... $379

CD1471 CD Player
Programs 20 tracks in any order; 3-speed search (music audible at 2 slower speeds); quadruple oversampling digital filter; dual 16-bit D/A converter; skip forward and back; time or track display..... $280

CD1465 FTS CD Player
With Favorite Track Selection to memorize programs from various discs (up to 785 tracks); dual 16-bit D/A converters $279

CD1470 CD Player
CD player with 16-bit D/A converters. Features random access programming; 20-track capability; 3-speed forward/reverse search; next/previous track skip; digital filtering. Includes 1 free 67-minute Jazz Sampler disc..... $229

CD1480 CD Player
CD player with 16-bit D/A converters. Features 3″ CD compatibility; shuffle play; 20-track memory; CDM4 laser scanning assembly..... $199

SYMPHONIC BY FUNAI

CD 3000A CD Changer
CD changer with Pioneer-style cartridges with 6-disc capability. Features 16-bit D/A converter; 3-beam laser pickup; wireless remote control; 32-track random programming; repeat track, disc, and program; search function; elapsed time display..... $379

CD 2000A CD Player
Drawer-loading CD player with 16-bit D/A converter. Features 3-beam pickup; CD-3 capability; 15-track random programming; feather-touch controls; programmable repeat function; amber elapsed-time display LCD; headphone jack with adjustable level; wireless remote control $229

CD 1100 CD Player
Drawer-loading CD player with 16-bit D/A converter. Features 3-beam pickup; 15-track random programming; feather-touch controls; programmable repeat function; amber elapsed-time display LCD $199

TANDBERG

TCP 3015A CD Player
Features 16-bit quadruple oversampling; zero negative feedback; no capacitors between the two D/A converters and the line output; digital filter and phase-linear Bessel audio filter; full programmability; separate headphone output volume control. Rosewood side panels and remote control optional. 17.13 x 13.5 x 13.75 in; 12.5 lb..... $2,500

TEAC

PD-470 CD Player
3 beam laser system with twin monaural 16-bit linear D/Aconverters. 4x oversampling digital filter; 20 selection random memory programming; 20 selection memory program calendar; full function wireless remote; fluorescent diplay shows track number, index numbers, elapsed time, program or disc remaining time, remaining time of each selection, and program or disc total time. FR 2-20,000 Hz; S/N >95 dB; THD .005%; 4.56 x 17.13 x 11.19 in; 8.38 lb$400

PD-425 CD Player
3 beam laser with 16 bit linear D/A converter. 15 selection random memory programming; wireless infrared remote control; program skip; repeat track, disc and program; multi-function LED display; fast forward or reverse manual search. FR 5-20,000 Hz ±1 dB; S/N >92 dB; THD.005%; 3.38 x 17.13 x 11.19 in; 8.82 lb..... $280
PD-160. Similar to above without remote $250

TECHNICS

CD Players
SL-P1300 Professional CD Player
CD player with 8-times-oversampling digital filter and infrared remote control. Features 4 D/A converters (2/ch); 18-bit high resolution signal processing; A/B repeat; ±8% pitch control; optical and electrical digital outputs; 2-speed search dial; audible puse; rocker switch for mixing; cueing by direct CD time code; balanced outputs; wired remote control; 10-



button keypad; auto-cue; separated digital and analog power supplies; class AA sample and hold circuit; class AA output; high-speed linear-motor access system; skip keys; 2-speed audible search; repeat track, disc, and program; headphone jack with adjustable level; line out via unbalanced (phono) pin connectors; balanced output; sub-code output; full-function FL display; cue search. 6.7 x 16.9 x 14.8 in..... $1,700

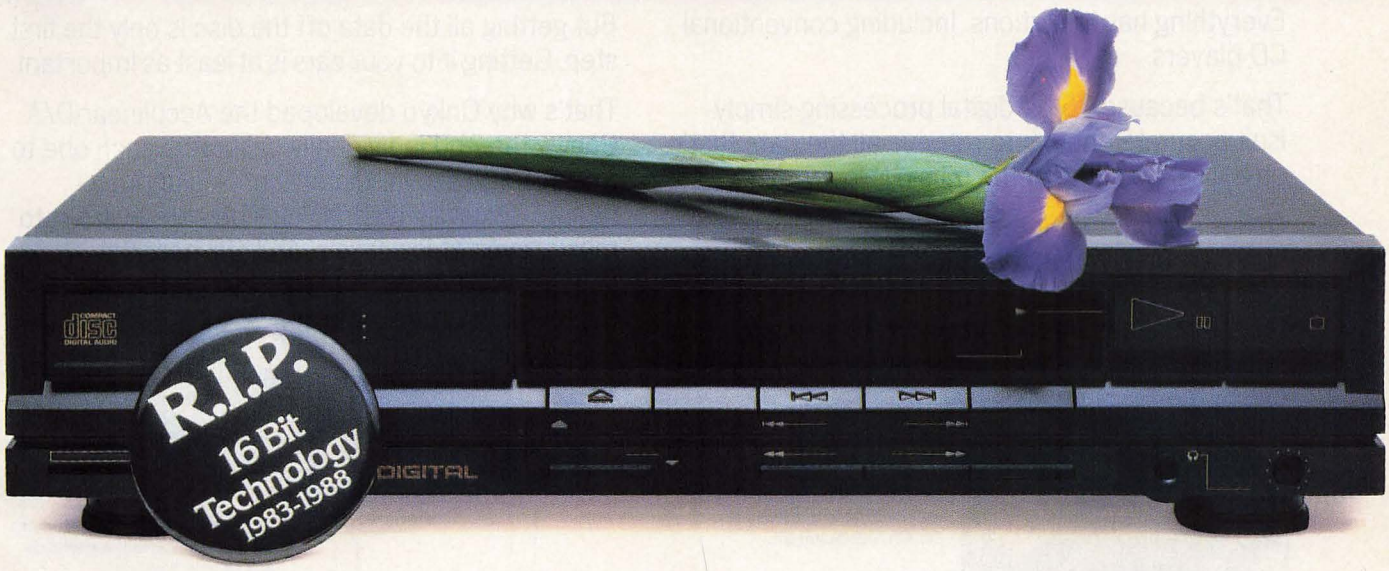
SL-P1200 Disco CD Player
Top-loading CD player for discos or production cues to any point within track. Rocker control for momentary advance or retard. Features quartz-locked pitch control (±8%); 2-speed cueing; rear-panel remote jack for mixer; infrared remote control; auto cue to first note of desired track; FL display; twin high-speed D/A converter; double oversampling (88.2 kHz) digital filter; 9th-order low-pass analog filter; 1-beam laser; high-speed Linear Motor Access locates track start in <1 sec; subcode output; skip forward; skip back; fast forward; fast reverse; sound audible during fast scan; repeat track, disc, program; programming of 20 tracks in any order; headphone jack with adjustable level. Cues by track number, index number, time. Displays current track number, elapsed time of current track, elapsed time on disc, remaining time on disc, remaining time in track, program in memory. 17 x 7 x 15 in; 22 lb..... $1,295

SL-P1000 CD Player
Features wireless remote with volume control; 20-track programming; A-B repeat; program repeat; heaphone jack with level control; electrical and optical outputs; 10-key number pad on unit and remote; 2-speed search dial; programmable music scan; 8-digit display of track number, index number, time for current track, disc, or program; separate digital and analog circuits; gold-plated output jacks; 96th-order double oversampling (88.2 kHz) digital filter; 7th-order analog filter; high-speed laser transport; high-rigidity 3-layer base; 2 D/A converters; Class AA isolates voltage amp from sample-and-hold circuit; dual power supplies..... $1,000

SL-P990 CD Player
CD player with quadruple-oversampling digital filter and remote control. Features 4 D/A converters (2/ch); 18-bit high-resolution signal processing; auto-cue; separate digital and analog power supplies; optical and electrical digital outputs; signal output meters; oxygen-free wiring; full-function FL display; linear matrix track and programming indicator; 20-key direct access; random play; headphone jack with adjustable level; disc window; high-speed linear-motor access system; 5-layer anti-vibration chassis; 2-speed audible search; peak level search for taping; CD edit; music scan; A/B repeat; track repeat; dimmer switch; gold-plated output jacks; 32-track programming; timer play..... $825

TO ALL THOSE WHO ALREADY OWN A CD PLAYER,

OUR CONDOLENCES.



ACCULINEAR 18-BIT TEC

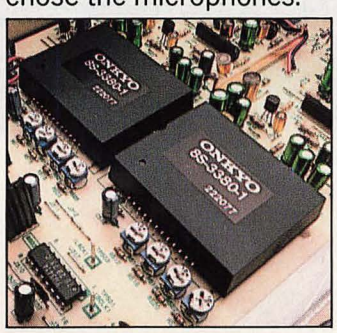


ENTER THE NEW

Everything has limitations. Including conventional CD players.

That's because 16-bit digital processing simply isn't accurate enough to retrieve all the data that's on a disc. So some of the music is lost.

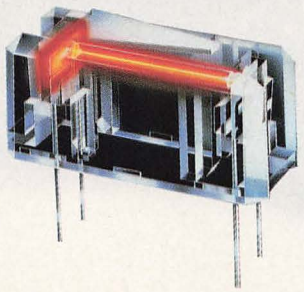
Onkyo's linear 18-bit technology, on the other hand, assures you that all the musical information gets processed. So you don't lose anything. Even the subtle clues that tell you about the space the music was recorded in. And how well the engineer chose the microphones.



Dual Acculinear D/A Converters with calibrated accuracy to the 4th Significant Bit.

But getting all the data off the disc is only the first step. Getting it to your ears is at least as important.

That's why Onkyo developed the Acculinear D/A Converter. And individually calibrates each one to minimize crossover distortion. This unprecedented accuracy means you'll be able to listen to music, even at low levels, and still hear the delicate harmonic structures that distinguish a Gibson guitar from a Martin.



Exclusive Opto-Coupling Modules use light to transmit digital data and reduce harshness.

Onkyo's extensive use of optical transmission techniques instead of conventional wiring further increases musical enjoyment. Proprietary Opto-

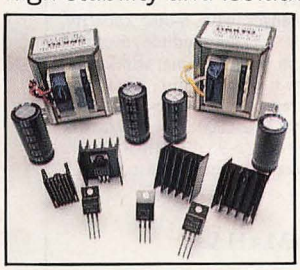
HNOLOGY FROM ONKYO.



DIGITAL DOMAIN

Coupling Modules at critical circuit junctions eliminate Digital Signal Interference (DSI) and its consequent metallic harshness. So you can enjoy the sound of the Philadelphia Symphony without wondering if the entire string section was playing aluminum violins.

The power supply combines low impedance/low loss transformers, regulators, and capacitors for high stability and isolation.



Dual transformers in the DX-7500 thoroughly isolate digital and analog stages.

In addition, the critical D/A converters benefit from Opto-Drive, a new Onkyo technology that uses LED/phototransistor arrays for the ultimate in current stability and operating accuracy. Which means that any sonic variations you hear will be in the music, not in the disc player.

And the best part? We didn't reserve these technical innovations for one outrageously expensive flagship model. All the musical benefits are affordable.

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If you would like further information, write for the White Paper on digital technology.

For your convenience, ONKYO and THE BUYERS GUIDE are providing this special toll free number so you can find out about our new 18 Bit Players. Just call 1-800-678-8237, and when asked, enter 34520.

SL-P770 CD Player
CD player with quadruple-oversampling digital filter and remote control. Features 4 D/A converters (2/ch); 18-bit high-resolution signal processing; auto-cue; separate digital and analog power supplies; optical and electrical digital outputs; signal output meters; oxygen-free wiring; full-function FL display; linear matrix track and programming indicator; 20-key direct access; random play; headphone jack with adjustable level; disc window; high-speed linear-motor access system; 2-speed audible search; peak level search for taping; CD edit; music scan; A/B repeat; track repeat; dimmer switch; gold-plated output jacks; 32-track programming; timer . . . $620

SL-P550 CD Player
CD player with quadruple-oversampling digital filter and remote control. Features 32-track random-access programming; dual DA converters; electrical digital output; signal output meter; full-function FL display; linear matrix track and programming indicator; 10-key direct access; random play; headphone jack with adjustable level; high-speed linear-motor access system; disc window; high speed transport; peak level search for taping; CD edit; A/B repeat; track repeat; program repeat; 2-speed audible search $420

SL-P350 CD Player
CD player with quadruple-oversampling digital filter and remote control. Features 32-track random-access programming; dual DA converters; electrical digital output; signal output meter; full-function FL display; linear matrix track and programming indicator; 10-key direct access; headphone jack with adjustable level; high-speed linear-motor access system; high speed transport; peak level search for taping; CD edit; track repeat; program repeat; 2-speed audible search $340

SL-P250 CD Player
CD player with quadruple-oversampling digital filter and remote control. Features 20-track random-access programming; dual DA converters; full-function FL display; linear matrix track and programming indicator; 10-key direct access; headphone jack with adjustable level; high-speed linear-motor access system; high speed transport; peak level search for taping; track, disc, and program repeat; random play; music scan $300

SL-P230 CD Player
CD player with quadruple-oversampling digital filter and remote control. Features 20-track random-access programming; dual DA converters; full-function FL display; linear matrix track and programming indicator; 10-key direct access; headphone jack with adjustable level; high-speed linear-motor access system; high speed transport; track, disc, and program repeat; random play; music scan $280

SL-P200 CD Player
CD player with quadruple-oversampling digital filter. Features 20-track random-access programming; dual DA converters; full-function FL display; linear matrix track and programming indicator; headphone jack with adjustable level; high-speed linear-motor access system; high speed transport; track, disc, and program repeat; remote-compatible $250

SL-P150 CD Player
CD player with quadruple-oversampling digital filter. Features 20-track random-access programming; dual DA converters; FL display; high-speed linear-motor access system; high speed transport; track, disc, and program repeat; remote-compatible . $240

SL-XP6 Portable CD Player
Compact, lightweight portable CD player with normal, resume, and random play modes. Features skip keys; memory key; 18-step random-access programming; play; stop; quadruple-oversampling digital filter; AC adaptor; auto power off after 5 minutes in stop mode; headphone jack with adjustable level; repeat; search; line-out jack; LCD display. 1.09 x 5 x 5.09 in; 13.4 oz $349

SL-XP5 Portable CD Player
Top-loading portable CD player with FF1 single-beam laser. Features programming of 18 tracks in any order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, program; headphone jack with adjustable level; digital filtering; single D/A converter; sound audible during fast scan. Oversamples at 88.2 kHz. Displays current track number, elapsed time of current track, elapsed time on disc, remaining time on disc, program in memory. With carrying case and power supply. 4.97 x 0.91 x 4.97 in $325

CD Changers

SL-P600C 6-Disc CD Changer
Plays 6 discs in magazine; wireless remote; 36-track random programming; 10-key number pad on unit and remote; headphone jack with volume control; high-speed access with 2-purpose search/skip buttons; display of number of tracks, programmed tracks, current track, elapsed time; random and repeat play; floating isolation system; quadruple-oversampling digital filter $470

SL-P400C 6-Disc CD Changer
Plays 6 discs in magazine; wireless remote; 36-track random programming; 10-key number pad on unit and remote; headphone jack with volume control; high-speed access with 2-purpose search/skip buttons; FL display; random and repeat play; quadruple-oversamling digital filter $420

SL-P300C 6-Disc CD Changer
Plays 6 discs in magazine; remote-compatible; 36-track random programming; 10-key number pad on unit and remote; headphone jack with volume control; high-speed access with 2-purpose search/skip buttons; FL display; random and repeat play; quadruple-oversamling digital filter $299

TOSHIBA

CD Players

XR-9037 CD Player
Remote control w/volume control; digital peak search; 20-program random memory; double oversampling and digital filter $450

XR-9018 CD Player
CD player with 16-track random programming. Features double-oversampling digital filter; 3-beam laser pickup; quick-program-selector up/down key; automatic repeat capability; LCD with track, lap, and remaining time; fast forward and reverse; integrated system remote capability; headphone jack with adjustable level $279
XR-9028. As above, 10-key remote control . . . $329

CD Changers

XR-9057 CD Changer
CD changer with 6-disc capacity and single-play drawer. Features 32-track random programming; double-oversampling digital filter; 3-beam laser pickup; 32-key wireless remote control; intro scan; random play; 9-digit multi-function display; cumulative time display; 10x audible search; fast forward and reverse; system remote capability $499
XR-9058. As above with system remote $599

Portable CD Players

XR-9458 Portable CD Player
Portable CD player with wireless/wired remote control. Features 3-beam laser pickup; 16-program random memory with repeat; headphone jack with adjustable level; LCD of track, lap, and remaining time; CD-3 capability $470

XR-9437 Portable CD Player
Compact CD player with AM/FM stereo. 9 FM/5 AM presets; 3 beam laser pick-up; 16-program random memory w/repeat; quick-program select; uses 4 AA batteries or rechargeable NiCad $400

RT-8088 Portable CD System
Portable CD player with built-in cassette deck, tuner, and speakers. CD section features 20-program random memory; CD-double-speed recording system; CD-auto-recording system; 20-song music calendar and integrated digital time counter; intro scan; auto spacing; random play; auto sleep. Cassette section features autoreverse; manual reverse; 3-band graphic equalizer $400

VECTOR RESEARCH

CD Players

VCD-900 CD Player
Drawer-loading CD player with full-function remote control (10-key direct-track access, remote volume control). Features programming of 15 tracks in random and sequential order; skip forward; skip back; fast forward; fast reverse; cancel; repeat track, disc, phrase, and program; 3-beam laser; digital and analog filtering; single D/A converter; sound audible during fast scans. Cues by track number. Oversamples at 88.2 kHz. Displays current track number, elapsed time of current track, elapsed time on disc; program in memory. 17 x 3.5 x 12.5 in; 11 lb . $399

VCD-400 CD Player
Drawer-loading CD player with wireless remote control. Features 3-beam pickup; display of elapsed time and track number; 2-speed audible cue and review; repeat disc and program; automatic disc-load/play; 15-track programmable music search system; digital filtering and oversampling. FR 20-20,000 Hz ±0.75 dB; dynamic range >92 dB; S/N >95 dB; THD <0.05%. 17 x 3 x 12.25 in; 8.5 lb $259

CD Changers

VCD-650CX CD Changer/Cassette Deck
Combination 6-disc capacity CD changer and full-logic cassette deck. Features double-oversampling digital filter; synchro-dubbing; 32-track random programming; auto pause; shuffle play; repeat all discs, one disc, track, or program; LCD; headphone jack; remote control; Dolby B and C NR; separate L & R record controls; one-touch dubbing; music search. Compatible with JVC magazines $599

VCD-600R CD Changer
CD changer with double-oversampling digital filter and 6-disc capacity. Features LCD which displays disc, track, and time simultaneously; audible cue and review; shuffle play; 32-track random programming; direct disc access from remote; repeat of all discs, one disc, track, or program; headphone jack. Compatible with JVC magazines $449

VCD-500C CD Changer
Magazine-type CD changer wtih 6-disc capacity. Features 3-beam laser pickup; audible cue and review; 32-track random programming; wireless remote control; LCD which displays disc, track, and time simultaneously; repeat of all discs, one disc, track, or program. FR 20-20,000 Hz ±0.75 dB; dynamic range >92 dB; S/N >96 dB; THD <0.01%. Compatible with Pioneer magazines. 16.5 x 3.5 x 13; 11.25 . . . . . $449

YAMAHA

CDX-10000 CD Player
Limited centennial edition compact disc player with wireless remote control. Features hi-bit quadruple oversampling digital filter; hi-bit D/A converter; 20-bit digital volume control; high-speed linear motor; internal photo-optical coupling; output level control;

digital-out terminals; heavy-duty chassis; 24-track direct access play; random play; front-panel headphone jack; gold-plated connection terminals. Titanium grey with high luster walnut end panels. $3,000

CDX-5000 CD Player
Drawer-loading CD player with 44-key wireless remote control. Features hand-selected parts; double floating suspension design; super-high-speed access; hi-bit quadruple oversampling digital filter; hi-bit D/A convertor; Hi-bit digital volume control; photo-optical coupling; dual-transformer shunt-regulated power supplies; digital-out terminals; random play; index search; front panel headphone jack; integrated remote system compatible. Black; 55 lb.... $2,200

CDX-1110U CD Player
CD player with hi-bit direct output. Features 18-bit 8-times-oversampling digital filter; dual D/A converters; 20-bit digital volume control; microcomputer-controlled 2-way servo system; independent transformer shunt-regulated power supply; optical and coaxial digital output connectors; high-speed linear motor provides 0.8 second access speed; 3-beam laser pickup; 44-key wireless remote control; 24-track direct access; 24-track random access programming; random play; calendar display; 4-way repeat; index search; 3-way music search; gold-plated terminals; integrated remote control capability..... $1,199

CDX-910U CD Player
CD player with hi-bit direct output. Features 18-bit 8-times-oversampling digital filter; dual D/A converters; 20-bit digital volume control; microcomputer-controlled 2-way servo system; optical and coaxial digital output connectors; 3-beam laser pickup; 46-key wireless remote control; 24-track direct access; 24-track random access programming; calendar display; 4-way repeat; index search; 3-way music search; gold-plated terminals; integrated remote control capability..... $699

CDC-610U CD Changer
CD changer with 10-disc magazine. Features 18-bit quadruple-oversampling digital filter; D/A converter; 3-beam pickup; microcomputer-controlled 2-way servo system; 24-track random access programming; memory play; random play; disc scan; music scan; wireless remote control; 3-way repeat; index search; 3rd order low-pass analog filter; headphone jack with adjustable level..... $599

CDX-810U CD Player
CD player with hi-bit direct output. Features 18-bit 8-times-oversampling digital filter; dual D/A converters; microcomputer-controlled 2-way servo system; 3-beam laser pickup; 44-key wireless remote control; 24-track direct access; 12-track random access programming; calendar display; 3-way repeat; index search; 3-way music search; gold-plated terminals; integrated remote control capability; coaxial digital output..... $549

CDX-510U CD Player
CD player with hi-bit direct output. Features 18-bit quadruple-oversampling digital filter; 16-bit D/A converter; microcomputer-controlled 2-way servo system; 3rd order Bessel-type analog low-pass filter; 3-beam laser pickup; 22-key wireless remote control; 24-track random access programming; calendar display; 3-way repeat; index search; 3-way music search; gold-plated terminals; integrated remote control capability; coaxial digital output; headphone jack with adjustable level..... $329

CDX-410U CD Player
CD player with double resolution digital filter. Features 3-beam pickup; 16-bit D/A filter; 3rd order Bessel-type analog low-pass filter; 24-track random programming; index search; 3-way repeat; auto space insert; 3-way music search; headphone jack; microcomputer-controlled 2-way servo system..... $279



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Hostaphan™ diaphragms and Neodyne™ magnets are two more reasons DT 990s have won technical and critical acclaim in Europe and America. They "...delivered a superb sound" and were "...remarkably comfortable to wear" according to Stereo Review.

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The new Koss Pro/450™ Stereophones deliver ultra-smooth, distortion-free sound and provide an excellent way of determining whether a high-priced audio component is really worth its high-price. It's all possible thanks to Koss' new dual-element design. Each earcup contains a neodymium element for crisp mids and highs, plus a low-frequency poly-driver for extraordinary bass response. Everything else about the Pro/450 is first-class, too. From the oxygen-free copper wiring and two detachable cords, to the unique earcup spider assembly and genuine leather headband that make it as comfortable to wear as it is to listen to. So if high-end sound is what you're after, audition the new flagship of our professional stereophone line. You'll find that the Koss Pro/450 has the high-end covered. • 4129 N. Port Washington Road, Milwaukee, WI 53212. Koss Limited: Burlington, Ontario. Koss Europe: Stabio-Switzerland. For more information call 1-800-USA-KOSS.

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ACOUSTIC RESEARCH

RD-06 Cassette Deck
Features Dolby B,C, and HX-PRO. S/N 64 dB, Dolby Bl; 73 dB, Dolby C; 55 dB, no Dolby. Wow and flutter 0.035 WRMS; brushless direct drive FG servo DCmotor; rec/play sendust core head; ferrite core erase head. $499

a/d/s/

C4 3-Head Dolby B/C/HX Pro Cassette Deck
Microprocessor operating system for digital recording-level and balance controls; full status displays; remote controlled through a/d/s/ R4 receiver or CC4 tuner/preamp; auto bias/EQ for all tape types; memorizes adjustable bias and level settings for each tape type; displays elapsed or remaining time; quartz-controlled- PLL capstan motor drive in die-cast metal chassis; timer record and play; auto repeat; music search; mic/line mixing; adjustable headphone output; LED rec-level meters; rec-level range 80 dB in 1-dB steps. Speed deviation <0.5%; W&F <0.04% wtd rms; FR with all tape types 20-20,000 Hz ±2 dB; S/N >74 dBA with Dolby C and metal tape (optional outboard NR system extends S/N to >93 dBA). 2.75 x 17.5 x 14.8-in; 20 lb $1,400

RC1 Unified Remote Control
Infrared wireless remote controls CC4, R4 receiver, and other a/d/s/ components $150

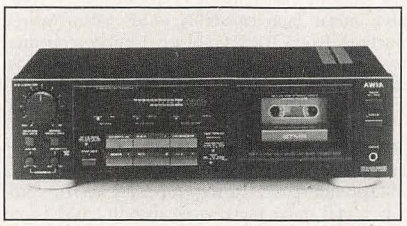
Atelier C3 2-Speed Cassette Deck
Records and plays at 1.88 ips (standard speed) and 3.75 ips (double speed). Remote controlled through a/d/s/ R4 receiver or CC4 tuner/preamp. Quartz-PLL direct-drive-capstan multiple-pole outer-rotor motor; repeat; mic/line mixing; 3 heads; 2 motors; Dolby B; Dolby C; music search; memory stop/play; LED meters; headphone jack. W&F standard speed 0.04% wrms, high speed 0.035%; FR (with all tape types) standard speed 20-20,000 Hz h speed 25-22,000 Hz ±2 dB; S/N (A-wtd, all tape types) standard speed: >66 dBA Dolby B, >74 dBA Dolby C, high speed: >60 dBA no NR, >68 dBA Dolby B, >76 dBA Dolby C. 2.75 x 17.5 x 14.8-in $1,000

AIWA

AD-WX909 Autoreverse Double Cassette Deck
Features 3 heads with micro-grain-surfaced capstan; auto tape/source monitor selector; ADMS (auto demagnitizing system); Dolby HX Pro (deck 2); Dolby B & C (both decks); gold-plated CD inputs and LINE/CD front panel selector; high-speed dubbing; feather-touch IC logic controls; independant digital tape counters; bias fine adjustment for CrO_2/normal-bias tape (±20%); music sensor (both decks); continuous playback. W&F 0.0055% deck 1, 0.028% deck; S/N 80 dB with Dolby C, metal tape above 5,000 Hz; FR 10-17,000 Hz normal-bias tape, 10-19,000 Hz high-bias, 10-20,000 Hz metal. 4.38 x 16.94 x 11.75-in; 14.5lb. $750

AD-A70U Autoreverse Cassette Deck
Cassette deck holds up to 5 cassettes for quick-reverse 15-selection random-programmed playback and sequential-timed recording. Features 4 motors; Dolby B & C; blank skip; music search; rec mute; headphone jack; LED meters; electronic tape counter; auto tape selector. W&F 0.06% wrms; FR metal 30-15,000 Hz ±3 dB; S/N metal 78 dB Dolby C. 4.25 x 13 x 13.62-in; 13.2 lb $650

AD-F780 Three Head Cassette Deck
Three head cassette deck incorporating Super DX recording and playback heads enclosed in a heavy-duty die-cast alloy head block. Features Anti-Modulation Tape Stabilizer (AMTS); Dolby HX Professional, B, and C noise reduction, manual recording



calibration system, feather touch IC logic controls with cue and review, fluorescent display and electronic tape counter with memory rewind and repeat, switchable MPX filter, auto tape and rec-mute selectors, and record/play timer standby. FR 20,000 Hz (metal), wow and flutter is 0.035%; S/N 78 dB with Dolby C $450

AD-180U Double Cassette Deck
Features four channel dubbing that cuts recording time to 25% of conventional models. 2 heads; 2 motors; auto bias/EQ; bias fine tuning; music search; output level control; LED meters; mike inputs; headphone jack; rec mute; 0.25- time dubbing cassette deck random programmable; dubbing playback; random Dolby B & C; 3-way 1-touch synchrodubbing. W&F 0.038% wrms; FR 20-13,000 Hz ±3 dB normal-bias tape, 20-15,000 Hz ±3 dB high bias, 20-16,000 Hz ±3 dB metal; S/N (A-wtd) metal: 66 dB Dolby B, 78 dB Dolby C. 4.38 x 16.56 x 12.75-in; 12.3 lb $450

AD-WX808 Double Cassette Deck
Autoreverse cassette deck with Dolby HX Pro and Dolby B & C. Features Amorphous head; blank skip continuous playback; double-speed playback; IC logic control; digital tape counter; auto rec mute; rec/timer standby. W&F 0.055% wrms; S/N metal: 78 dB Dolby C, 65 dB Dolby B; FR 20-17,000 Hz normal-bias tape, 20-19,000 Hz high bias, 20-20,000 Hz metal. 5 x 16.94 x 12.31-in; 11 lb $400

AD-WX707 Double Cassette Deck
Autoreverse cassette deck with Dolby B & C. Features bias fine tuning; continuous playback; feather-touch IC logic controls; high-speed dubbing; auto rec mute; auto tape selector; rec/play timer standby (deck 2). S/N 78 dB Dolby C, 65 dB Dolby B; FR 20-16,000 Hz normal-bias tape, 20-17,000 Hz high bias, 20-18,000 metal. 5 x 16.94 x 12.31-in; 11lb$275

AD-R40 Auto Reverse Cassette Deck
Two head autoreverse cassette deck with bi-directional auto rewind in playback. Dolby HX Professional, Dolby B-C noise reduction and 0.3 second autoreverse capability. FR 20-18,000 Hz with Metal tape; wow and flutter 0.065%; S/N78 dB with Dolby C $200
AD-S37. Similar to above without autorverse or bi-directional auto rewind $180

AD-WX505 Double Cassette Deck
Double cassette deck featuring Dolby band C noise reduction; double speed dubbing; continuous playback; auto tape selector; rec/play timer standby. FR 20-17,000 Hz with metal tape; S/N 78 dB with Dolby C; wow and flutter 0.09%. $180

AD-R30 Autoreverse Cassette Deck
Features 3-way reverse operation for continuous, one cycle, or unidirectional operation; horizontal flat keyboard operation panel; feather-touch IC logic control; Dolby B & C; bias fine tuning; auto rec mute. W&F 0.065% wrms; FR 20-16,000 Hz normal-bias tape, 20-16,000 Hz high bias, 20-17,000 Hz metal; S/N 78 dB Dolby C; rec/play DX head; erase double-gap ferrite. 4.38 x 16.56 x 11.94-in; 11.4 lb. $180
AD-S15. Same as above without autoreverse . $150
AD-S27. Same as AD-WX505 (above) but not double cassette $120

AKAI

GX-95-B 3-Head Cassette Deck
3-head single cassette deck with super GX 3-head; 3-motor and full-logic control; direct drive; closed loop double capstan; Dolby B/C NR; Dolby HX-PRO system; bias control w/calibration tone; FL display meter; real-time counter; music search; auto-time selector; auto monitor; auto play; rec cancel; spot erase system; A-B memory repeat; auto mute; headphone volume; wireless remote; CD/DAT direct/input; resonance free rigid chassis structure; separate amplifier block $799

GX-8-B 3-Head Cassette Deck
3-head single cassette deck with super GX 3-head; 3-motor and full-logic control; direct drive; closed loop double capstan; dbx; Dolby B/C NR; bias control; FL display meter; real-time counter; music search; auto tape selector; auto monitor; rec cancel; timer start; high-speed DC amp; anti-resonance construction$599

GX-52-B Single Cassette Deck
Single cassette deck with twin-field super GX head; 3-motor and full-logic control; direct drive; Dolby B/C NR; Dolby HX-FRO system; bias control; FL display meter; real-time counter; music search; auto tape selector; auto play; rec cancel; spot erase system; A-B memory repeat; auto mute; headphone volume; remote ready. $499

HX-R453W-B Double Cassette Deck
Double auto reverse cassette deck with high-density head; 3-motor and full-logic control; Dolby B/C NR; high-speed dubbing; continuous play; auto tape selector; music search; intro scan; auto play; blank skip; headphone volume; wireless remote ready$399

GX-R60EX-B Autoreverse Deck
Quick and auto reverse cassette deck with twin-field super GX head; 3-motor and full-logic control; dbx; Dolby B/C NR; FL display meter; auto tape selector; music search; power loading/eject; DC amp design; remote ready. $399

HX-R451W-B Double Cassette Deck
Double cassette deck with high density head; 3-motor and full-logic control; 15 random record/play programming; high-speed dubbing; continuous play;

Dolby B/C NR; music search; intro scan; auto play; mic mixing; remote-ready $379

GX-32-B Single Cassette Deck
Single cassette deck with twin-field super GX head; 2-motor and full-logic control; Dolby B/C NR; bias control; FL display meter; music search; auto-tape selector; auto mute; auto play; headphone volume $329

HX-R41-B Autoreverse Deck
Quick auto reverse deck with high density head; 3-motor and full-logic control; Dolby B/C NR; music search; intro scan; auto play; input jacks; remote ready $279

BANG & OLUFSEN

Beocord 5500 Autoreverse Cassette Deck
Automated recording; Auto Azimuth Guidance; auto Dolby B and Dolby C for play; auto and manual rec level; programs 23 tracks; HX Pro headroom extension; tape loads in motorized drawer; black and silver; remote controlled by Master Control Panel. W&F <0.09% wrms; speed deviation ±1.5%; S/N with chrome tape >64 dB Dolby B, >74 dB Dolby C; 16.5 x 3 x 12.75 in; 18.7 lb $1,100

Beocord 3300 Dolby B/HX Pro Cassette Deck
Integrates with Beosystem 3300 for remote control from multiple rooms; black plexiglass and brushed aluminum; optional wall brackets; sensi-touch controls; remote controlled from Terminal 3300 remote; communicates with 3300 turntable and CD player for coordinated recording; auto search; meters adjust for tape type; sendust heads; auto demagnetization. W&F <0.07% wrms; speed deviation <1.5%; S/N with chrome tape >65 dB Dolby B; 16.5 x 2.75 x 9.9 in; 8.37 lb $550

DENON

DR-M44HX 3-Head Cassette Deck
Features Dolby HX Pro; Dolby B & C NR; dual-capstan transport; full-logic control transport; computer-controlled silent mechanism; direct-drive FG servo motor; non-slip reel drive; computer-controlled bias fine-tuning; full auto-stop; SF combination head; dual power supply; MPX-filter switch; 4-digit tape counter with memory stop; FL peak level meter; real-time counter; wired remote control; rec pause/mute; one-touch rec/standby; output level control; headphone jack. Includes wood side panels. FR 25-20,000 Hz ±3 dB with metal tape; W&F 0.035% wrms; S/N >75 dB (Dolby C) $650

DR-M30HX 3-Head Cassette Deck
Features wireless remote control; Dolby HX Pro; Dolby B & C NR; dual-capstan transport; full-logic control transport; computer-controlled silent mechanism; non-slip reel drive; manual bias fine-tuning; full auto-stop; SF combination head; dual power supply; MPX-filter switch; 4-digit tape counter with memory stop; FL peak level meter; balance control; rec pause/mute; auto-space; one-touch rec/standby; output level control; headphone jack. FR 25-20,000 Hz ±3 dB with metal tape; W&F 0.045% wrms; S/N >73 dB (Dolby C) $500

DR-M24HX Cassette Deck
3 head cassette deck with with Dolby HX, B, C NR. Auto tape select; W&F .045% WRMS; FR metal tape 205-20,000 hz ±3 dB; S/N> 73 dB (Dolby C NR at 3% THD); 4.52 x 17.08 x 11.25-in; 12.3 lb..... $450

DR-M12HR Cassette Deck
2 head cassette deck compatible with Denon remote control receivers. Dual channel recording amplifiers; Dolby HX, B, C NR; music search fluorescent display; auto tape selector; W&F.0-45% WRMS; FRmetal 25-18,000 Hz ±3 dB; S/N72 dB with Dolby C at 3% THD; 4.52 x 17.08 x 11.25; 9.9 lb. $350
DR-M10HR. Similar to above $300

DR-M07 Cassette Deck
Features Dolby B & C NR; full-logic control transport; manual bias fine-tuning; full auto-stop; SF R/P head; 3-digit tape counter; LED 6-segment peak level meter; balance control; one-touch rec/standby; headphone jack. FR 40-16,000 Hz ±3 dB with metal tape; W&F 0.057% wrms; S/N >73 dB (Dolby C) $250

Accessories
ACA-20. Side panels for DR-M30HX, M24HX, M12HR, and M10HR cassette decks $30

DUAL BY ORTOFON

CC5050 Cassette Deck
Three-head stereo cassette deck with Dolby B and C NR. FR 20-19kHz ±3 dB (metal). Black $380

FISHER

CRW980B Double Cassette Deck
Double cassette deck with autoreverse and 6-function wireless remote control. Features 2 full-logic autoreverse cassette mechanisms (1 record/play, 1 play only); metal tape capability; ASF (Auto Search Function); Dolby B and C noise reduction; sequential play; one-touch high-speed synchronized dubbing; FL record meters; automatic tape selector; timer standby; MPX filter; headphone jack $400

CRW880B Double Cassette Deck
Double cassette deck with autoreverse. Features 2 full-logic autoreverse cassette mechanisms (1 record-/play, 1 play only); metal tape capability; ASF (Auto Search Function); Dolby B noise reduction; sequential play; synchronized dubbing; 5-LED record meters; automatic tape selector; timer standby; MPX filter; headphone jack. $300

CRW780B Double Cassette Deck
Double cassette deck with autoreverse. Features 2 autoreverse cassette mechanisms (1 record/play, 1 play only); metal tape capability; Dolby B noise reduction; synchronized dubbing; 5-LED record meters; automatic tape selector on deck 1; timer standby; MPX filter; headphone jack $250

CRW86B Double Cassette Deck
Features autoreverse record/playback for deck 1; synchronized one-touch high-speed dubbing; sequential play; Dolby NR; metal tape capability (both transports); soft-touch controls; switchable MPX filter. Black. $250

CRW680B Double Cassette Deck
Double cassette deck with autoreverse. Features 2 cassette mechanisms; metal tape capability; Dolby B noise reduction; synchronized dubbing; 5-LED record meters; automatic tape selector on deck 1; timer standby; MPX filter; headphone jack $200

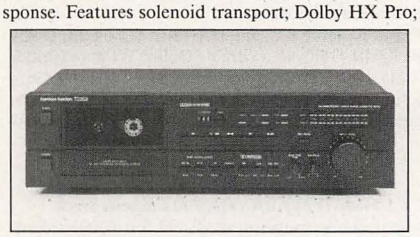
HARMAN KARDON

CD491 Dolby B/C/HX Pro Cassette Deck
Ultrawideband cassette deck with direct-drive dual-capstan transport; 3 heads; 2 motors; Dolby B; Dolby C; Dolby HX Pro; bias fine trim with record and bias calibration test-tone oscillators; music search; output level control; memory stop/play; logic control; weighted peak-hold LED meters; mic inputs; mic/line mixing; headphone jack; rec mute. Timer controllable. W&F 0.025% Wrms; FR with all tape types 20-24,000 Hz ±3 dB; S/N (A-wtd, with high bias tape) 58 dB no NR, 66 dB Dolby B, 75 dB Dolby C . $1,049

TD392 Dolby B/C/HX Pro Cassette Deck
3 heads for monitoring during recording; sendust record head, narrow-gap high-density ferrite play head; 1 motor; Dolby B; Dolby C; Dolby HX Pro; solenoid logic transport; bias fine trim with test-tone oscillator; output level control; weighted LED meters; headphone jack; rec mute. W&F 0.05% Wrms; FR with all tape types 20-22,000 Hz ±3 dB; S/N (A-wtd, with high-bias tape) 58 dB no NR, 66 dB Dolby B, 75 dB Dolby C $729

CD302 Cassette Deck
Cassette deck with sendust record/play head and logic-controlled solenoid transport; Dolby B; Dolby C; Dolby HX Pro; bias fine tuning; output level control; rec mute; headphone jack; defeatable multiplex filter. W&F 0.05% Wrms; record-play FR, ferric 20-21,000 Hz ±3 dB, high-bias 20-21,000 Hz ±3 dB, metal 20-21,000 Hz ±3 dB; S/N (A-wtd), high bias 65 with Dolby B, 73 with Dolby C $529

TD262 Cassette Deck
Cassette deck with ultrawideband frequency response. Features solenoid transport; Dolby HX Pro;



Dolby B; Dolby C; amorphous head; bias fine trim; 7-LED peak metering system; record mute; memory; MPX filter; metal tape capability; metal chassis$419

TD212 Cassette Deck
Cassette deck with ultrawideband frequency response. Features solenoid transport; Dolby B; Dolby C; hard permalloy head; bias fine trim; 6-LED peak metering system; record mute; memory; MPX filter; metal tape capability; metal chassis $329

HITACHI

DW99 Double Autoreverse Cassette Deck
High-speed 1-touch dubbing; 20-part FL peak meter with peak-hold selector; timer rec/play; 4-digit FL counter; music scan; random memory program search; 3 motors; Dolby B and Dolby C; blank skip; memory stop/play; unified-remote-control compatibility. W&F 0.04% wrms; FR ferric 30-14,000 Hz ±3 dB, high bias 30-15,000 Hz ±3 dB, metal 30-16,000 Hz ±3 dB; S/N metal 66 dB Dolby B, 72 dB Dolby C; 12.62 x 3.5 x 14.12 in; 15.5 lb $500

DW77 Double Autoreverse Cassette Deck
Logic control; high-speed dubbing; Dolby B and Dolby C; music scan; random memory program search; 4 motors; auto tape selector; timer rec/play; blank skip; LED meters; rec mute; headphone jack; unified-remote-control compatibility. FR ferric 30-14,000 Hz ±3 dB, high bias 30-15,000 Hz ±3 dB, metal 30-16,000 Hz ±3 dB; S/N 66 dB Dolby B, 72 dB Dolby C. 14.5 x 5.12 x 11 in; 10.5 lb $400

DW33 Double Autoreverse Cassette Deck
High speed; soft-touch controls; auto tape selector; timer rec/play; continuous play; synchronized dubbing start; 2 motors; Dolby B; blank skip; LED meters; headphone jack. W&F 0.08% wrms; FR ferric 30-14,000 Hz ±3 dB, high bias 30-15,000 Hz ±3 dB; 30-15,000 Hz ±3 dB; S/N metal 65 dB Dolby B. 14.5 x 5.12 x 11 in. $220

JVC

TDV711BK Cassette Deck
3 head cassette deck with computer-controlled 2-motor full-logic mechanism. Features monitor-capable discrete 3-head configuration; SA head for record; amorphous head for play; closed-loop dual-capstan drive with direct-drive motor; 2 direct inputs; OFC plating on circuit boards; separate circuit construction; DC-configured amps on separate PC boards; low imp voltage-tracking regulated power supply; high-rigidity chassis; Dolby HX Pro; Dolby B and C noise reduction; MPX filter; FL digital peak display; level meters and digital counter; auto rec mute; music

scan; timer start; auto tape selector; headphone jack with adjustable level; bias control; gold-plated terminals $620

TDR611BK Cassette Deck
Cassette Deck with Dolby HX Pro and Dolby B and C noise reduction. Features MPX filter; quick autoreverse; 2-motor full-logic mechanism; SA head; direct input; LC-OFC coil in heads; separate circuit construction; low imp voltage-tracking; high-rigidity chassis; FL digital peak display; level meters; digital counter; auto rec mute; music scan; blank skip; A/B repeat; timer start; auto tape selector; headphone jack with adjustable level $480

TDR411BK Cassette Deck
Cassette Deck with Dolby B and C noise reduction. Features quick autoreverse with flip reverse head; computer-controlled 2-motor full-logic mechanism; SA head; LED multi-peak level indicator for each channel; auto rec mute; auto tape selector; headphone jack; tape running indicator..... $270

TDW999BK Double Cassette Deck
Features twin HiFi U-Turn quick autoreverse systems with flip reverse heads in both wells; sequential or simultaneous recording of 2 tapes; computer-controlled full-logic mechanisms; high-speed editing with synchro dubbing; continuous play; Dolby B and C noise reduction; LCD level meters; dual electronic digital counters; auto/synchro rec mute; music scan on both decks; timer start; auto tape selector; headphone jack..... $440

TDW777BK Double Cassette Deck
Features twin HiFi U-Turn quick autoreverse systems with flip reverse heads in both wells; computer-controlled full-logic mechanisms; high-speed editing with synchro dubbing; continuous play; Dolby B and C noise reduction; LCD level meters; dual electronic digital counters; auto/synchro rec mute; music scan on both decks; auto tape selector; headphone jack $380

TDW444BK Double Cassette Deck
Features HiFi U-Turn quick autoreverse systems with flip reverse heads on deck B; computer-controlled full-logic mechanisms; high-speed editing with synchro dubbing; continuous play; Dolby B and C noise reduction; LCD level meters; auto/synchro rec mute; auto tape selector; headphone jack..... $300

TDW330JBK Double Cassette Deck
Features two-motor full-logic mechanisms (1 play/rec, 1 play only); double-speed editing with synchro start; continuous play; Dolby B and C noise reduction; LCD level meters; auto tape selector; headphone jack..... $270

TDX311BK Cassette Deck
Cassette Deck with Dolby B and C noise reduction. Features computer-controlled 2-motor full-logic mechanism; SA head; LED multi-peak level indicator for each channel; auto rec mute $250

TDW222BK Double Cassette Deck
Features two-motor full-logic mechanisms (1 play/rec, 1 play only); one HiFi U-Turn autoreverse sytem with flip reverse head on deck B; high-speed editing with synchro dubbing; continuous play; Dolby B and C noise reduction; LCD level meters; auto tape selector; headphone jack inputs $250

TDW111BK Double Cassette Deck
Features high-speed editing with synchro dubbing; separate LED multi-peak indicators; headphone jack; Dolby B noise reduction; auto tape selector... $180

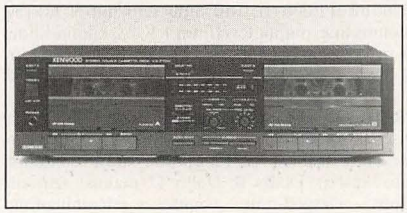
KENWOOD

KX-97CW Autoreverse Cassette Deck
Features dual, bi-directional recording/playback; high-speed dubbing; full logic computer controlled tape transport with 2-motor drive for each mechanism; Dolby C and NR systems; bi-directional relay play; fast forward search; rewind search; single repeat; rewind play and re-recording standby; index scan; automatic tape selector; system remote controllable; auto function; FR 20-15,000 Hz; S/N ratio 72 dB; THD < 0.6% at 1kHz; W&F 0.08%; 4.69 x 16.63 x 10.44 in; 11.9 lb $389

KX-96W Double Autoreverse Cassette Deck
Double cassette deck with dual bidirectional rec/play system. Features quick-reverse; two motors; full-logic computer control; Dolby B & C NR; high-speed dubbing; continuous relay play; relay and dual recording; direct 16-program search system; index scan; headphone jack; LED peak meters; auto tape selector. W&F 0.1% wrms; S/N 72 dB; FR 30-15,000 Hz ±3 dB (Type II). Remote controlled through KC-206 preamp and Kenwood receivers. 16.53 x 4.69 x 10.44 in; 11.4 lb $380

KX-660HX Full-Logic Cassette Deck
Basic series cassette deck with Dolby HX Pro headroom extension system. Features Dolby B & C NR with dynamic stabilizer; manual/auto recording bias adjust control; low-imp Permlic rec/play head; silent 2-motor drive with full-logic computer control; high-rigidity mechanism and head mount; direct 16-program search system; auto-rec mute; blank search; index scan; re-recording standby; repeat with auto blank skip; counter zero stop; master rec and L/R preset level controls; FL wide-range peak meters; FL linear tape counter; auto tape sel; headphone jack; L/R mic inputs; timer rec/play capable. FR 20-18,000 Hz ±3 dB (metal); W&F 0.06% wrms. 17.31 x 4.44 x 12.81 in; 11 lb..... $300

KX-77CW Double Autoreverse Cassette Deck
Features double auto-reverse with One Record/Play and One Play Mechanism; high-speed dubbing; full logic computer controlled tape transport with 2-motor drive; Dolby C & B NR systems; relay play; fast



forward search; rewind search; single repeat; dash & play; rewind play; re-recording standby; index scan; automatic tape selector; system remote controllable; auto function; FR 20-15,000 Hz; S/N ratio 72 dB; THD < 0.6% at 1kHz; W&F 0.08% $299

KX-66CW Double Cassette Deck
Cassette deck with autoreverse play/rec deck and unidirectional playback only deck. Features full-logic computer control; Dolby B & C NR; 2 motors; high-speed dubbing; continuous relay play; relay recording; direct 16-program search system; index scan; auto tape selector; auto rec mute; headphone jack; LED peak meters. W&F 0.1%; S/N 72 dB; FR 30-15,000 Hz ±3 dB (Type II). Remote controlled throug KC-206 and Kenwood receivers. 16.56 x 4.69 x 10.44 in; 11.2 lb..... $280

KX-87CR Autoreverse Cassette Deck
Features full logic computer controlled tape transport; Dolby C & B NR; direct 9-program search system; index scan; automatic tape selector; auto-recording mute; left/right microphone inputs; timer record/play function; headphone monitoring jack; system remote controllable; auto function; FR 20-25,000 Hz; S/N ratio 73 dB; THD < 0.5% at 1kHz; W&F 0.06%; 4.5 x 16.63 x 10.63 in; 8.4 lb $259

KX-76R Autoreverse Cassette Deck
Full-logic control cassette deck with 9-program search system. Features Dolby B & C NR; index scan; continuous autoreverse; auto tape selector; auto recording mute; LED peak meters; headphone jack; L/R mic inputs; remote controlled through KC-206 preamp and Kenwood receivers. W&F 0.06% wrms; S/N 73 dB; FR 30-15,000 Hz ±3 dB (Type II). 16.56 x 4.5 x 10.63 in; 8.4 lb..... $250

KX-57CW Double Cassette Deck
Features high-speed dubbing; Dolby C & B NR; relay play; automatic tape selector; timer record/play function; headphone monitoring jack; FR 20-15,000 Hz; S/N ratio 72 dB; THD < 0.8% at 1kHz; W&F 0.15%..... $229

KX-56CW Double Cassette Deck
Features one rec/play mechanism; Dolby B & C NR; two motors; soft-touch controls; high-speed dubbing; single relay paly; auto tape selector; LED peak meters; headphone jack; L/R mic inputs; timer ready; remote controlled through KC-206 preamp and Kenwood receivers. W&F 0.15% wrms; S/N 72 dB; FR 30-15,000 Hz ±3 dB (Type II). 16.56 x 4.69 x 10.44 in; 8.8 lb..... $200

KX-47C Cassette Deck
Features soft-touch controls; direct program search system offers 1 selection skip/repeat; Dolby C & B NR; metal tape selector; LED peak meters; left/right microphone inputs; timer record/play function; FR 20-15,000 Hz; S/N ratio 72 dB; THD < 0.7% at 1kHz; W&F 0.09%; 4.18 x 16 x 10 in; 8.4 lb $189

KX-46C Cassette Deck
Features soft-touch controls; music search; auto tape selector; LED peak meters; L/R mic inputs; headphone jack; timer ready. W&F 0.09% wrms; S/N 72 dB; FR 30-15,000 Hz ±3 dB (Type II). 16.56 x 4.81 x 10.56 in; 8.4 lb $175

KYOCERA

D-811 Dolby B/C/HX Pro Cassette Deck
2 heads; 3 motors; 3 preset bias/EQ's; Dolby B; Dolby C; dual capstans; bias fine tuning; direct drive; digital electronic counter for elapsed and remaining time; output level control; memory repeat stop/play; LED peak-hold meters; soft-touch controls; mike inputs; headphone jack with volume control; rec mute; wireless remote. W&F 0.02% wrms; metal 20-22,000 Hz ±3 dB, high bias 20-20,000 Hz ±3 dB, normal 20-20,000 Hz ±3 dB; S/N (A-wtd) metal: 58 dB no NR, 10 dB Dolby B, 20 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 580 mV; mike input sens 0.5 mV .. $750

D-611 Dolby B/C Cassette Deck
2 heads; 3 motors; 3 preset bias/EQ's; bias fine tuning; direct drive; output level control; memory repeat stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; wireless remote. W&F 0.035% wrms; metal 20-22,000 Hz ±3 dB, high bias 20-20,000 Hz ±3 dB, normal 20-20,000 Hz ±3 dB; S/N (A-wtd) metal: 58 dB no NR, 10 dB Dolby B, 20 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 580 mV; mike input sens 0.5 mV. 18.12 x 4 x 12.12 in; 16 lb $550

MARANTZ

DT84 Digital Audio Tape Deck
DAT deck with wireless remote control. Features 48 kHz sampling frequency record; 44.1/48 kHz sampling frequency play; quadruple oversampling; subcode post recording; 30-track random-program play; cue/review; 2-way repeat; auto rewind/auto replay; FR 5-20,000 Hz; S/N 96 dB; THD 0.01% $1,900

SD-55 Stereo Cassette Deck
2-head cassette deck with dual motor and microprocessor control. Features Dolby B and C NR; variable bias fine tune control; auto tape type sensor; rec mute; MPX filter $780

Double Cassette Decks

SD565 Auto-Reverse Double Cassette Deck
Double cassette deck with autoreverse, record, and playback for both transports. Features 15-song quick music search; auto tape selector; high-speed dubbing; mixing; auto rec mute; Dolby B & C NR; 2 heads; 2 motors; memory stop/play; LED meters; soft-touch controls; mic inputs; headphone jack; W&F 0.05% wrms; FR 35-15,500 Hz; S/N 65 dB. 4 x 16.5 x 10.25 in; 11.9 lb $450

SD160 Double Cassette Deck
Features Dolby B NR; high-speed dubbing; mic input, LED meters; FR 40-13,000 Hz; S/N 64 dB; W&F 0.08%. 4.38 x 16.5 x 7.25 in; 8.4 lb $170

Portable Cassette Decks

PMD 430 dbx Portable Cassette Deck
3-head AC/DC cassette deck with Dolby B. Features fine-bias control; headphone jack with adjustable volume; dual recording level controls; 2 mic inputs; switchable mic attenuation (0, -15, -30 dB); compatible with normal/high-bias/metal tape; auto replay; pitch control. 2 x 9 x 6.5 in; 3.5 lb $550
RB 430. Rechargeable NiCad battery pack $50

PMD 420 Dolby B Portable Cassette Deck
Features 2 heads; bias fine tuning; mic inputs; headphone jack; built-in speaker; pitch control; 3-position tape selector; switchable limiter; 3-way power; W&F 0.12% wrms; FR ferric 40-14,000 Hz ±3 dB; S/N 59 dB; line-input sens 70 mV; mic input sens 0.3 mV. 2 x 9 x 6.5 in; 2.9 lb $450

PMD 221 Portable Cassette Deck
Features 2 speeds; 3 heads; mic inputs; headphone jack; built-in speaker; built-in mike; pitch control; 3-position tape selector; ext mike and speaker jacks; manual or auto level control; switchable limiter; 3-way power; W&F 0.12% wrms; line-input sens 70 mV; line output level 400 mV; mike input sens 0.3 mV. 2 x 9 x 6.5 in; 2.9 lb $330

PMD 201 Portable Cassette Deck
Features 2 speeds; 2 heads; mic inputs; headphone jack; built-in speaker; built-in mike; pitch control; 3-position tape selector; ext mike and speaker jacks; manual or auto level control; switchable limiter; 3-way power; W&F 0.12% wrms; FR 40-12,500 Hz ±3 dB; line-input sens 70 mV; line output level 400 mV; mic input sens 0.3 mV. 2 x 9 x 6.5 in; 2.9 lb .. $280

MITSUBISHI

MT-5100 Dual Cassette Deck
Full-logic dual cassette deck with auto-reverse high-speed synchronous one-touch dubbing. Features continuous playback of 2 cassettes; music search; repeat functions; blank skip; automatic muting; Dolby B and C NR; automatic bias calibration according to tape type; remote control $450

DT-160 7 Cassette Auto-Changer
Double cassette deck features high-speed dubbing, 9 segment programmable music search, auto reverse, Dolby B. $385

MT-4100 Dual Cassette Deck
Dual-cassette deck features one-touch dubbing from tape 1 to tape 2; double-speed dubbing; 7-cassette programmable auto-changer; direct-access selection to tracks on any cassette; music search system; blank-skip; repeat playback; synchronized recording; auto-reverse playback; Dolby B NR; automatic tape selection switching $349

NAD

6300 Monitor Series Cassette Deck
With Dolby B and Dolby C NR, Dolby HX Pro and Dyneq headroom extension; Play Trim to adjust playback EQ to compensate for differences in cassettes made on other decks (also allows for overall high-frequency compensation); 3 heads and double Dolby; fine bias tuning; elapsed time counter; compatible with normal, high-bias, metal tape; nonsymmetric dispersed-resonance dual-capstan transport; wireless remote; CAR processor to boost level of soft passages 20 dB. Speed accuracy ±1%; W&F 0.03% wtd rms; FR 30-19,000 ±3 dB. $898

6100 Monitor Series
Play trim; wow, flutter, and speed performance; CAR circiut; HX PRO and Dyneq; rack mountable. $498

6240 Dolby B & C Cassette Deck
Play Trim; Dyneq headroom extension for improved high-frequency response; compatible with normal, chrome, metal tape; bias fine tuning; peak-reading LED meters. Speed accuracy ±1%; W&F 0.06% wtd rms; FR 30-19,000 ±3 dB; S/N 59 dB no NR, 68 dB Dolby B, 77 dB Dolby C $298

NAKAMICHI

Dragon Auto-Reverse Stereo Cassette Deck
Microprocessor-controlled 3-head cassette deck with Dolby B and C. Features Auto Azimuth Correction system; assymetrical diffused-resonance transport; Super Linear Torque direct-drive motors; auto-retracting slot guides; tape-pad lifter; auto tape slack take-up; 2-speed cueing; 2-speed master fader; auto rec pause; rec-level and bias-calibration controls with 2-tone oscillator; dual-gap ferrite/sendust erase head; separate tape and EQ switches for ZX, SX, and EX cassettes; direct-coupled recording and playback amplifiers; left, right, master input levels; output level control; rec mute; high-output headphone jack; defeatable infrasonic filter; 4-digit LED electronic counter with memory stop and repeat. W&F 0.019% wrms; FR 20-22,000 Hz ±3 dB with ZX tape; S/N Dolby B/C on 66/72 dB at 400 Hz with 3% THD (A-wtd with ZX tape at 400Hz, 0 dB); sep/crosstalk 37/60 dB at 1,000 Hz, 0 dB; input sens/imp 50 mV/50 kilohms line; output level/imp 1 V/2.2 kilohms line, 45 mW/8 ohm headphones; 17.75 x 5.31 x 11.81 in; 21 lb $2,195

CR-7A 3-Head Cassette Deck
Discrete cassette deck with asymmetrical diffused-resonance dual-capstan transport. Features 3 motors; auto bias/EQ; Dolby B; Dolby C; manual azimuth adjust; elasped-time counter; remaining-time



counter; output level control; memory stop/play; LED meters; soft-touch controls; headphone jack; rec mute; wireless remote; auto & manual tape/equalizer selection; auto fade; auto repeat. W&F 0.027% wrms; FR, ferric 18-21,000 Hz ±3 dB; S/N (A-wtd), metal 66 dB Dolby B, 72 dB; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 1,000 mV. 17.12 x 5.31 x 12 in; 19 lb, 13 oz $1,595

RX-505 3-Head Cassette Deck
Discrete stereo cassette deck with unidirectional auto reverse to eliminate bidirectional azimuth error. Mechanism turns cassette over at end of side during record or playback. Features asymmetrical dual-capstan closed-loop transport; auto fade (20 secs before end of tape); Dolby B and C; DC servo motors; auto record pause; LED peak level meters reading from −40 to +10 dB; dual-speed master fader; punch-in recording; memory stop/play; soft-touch controls. W&F <0.04% wrms; FR 20-20,000 Hz ±3 dB all tape types; S/N >70 dB with Dolby C and metal tape; THD <0.9% with ZX tape; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 1,000 mV; 17.75 x 5.69 x 11.81 in; 22 lb $1,395
RX-202. Similar to above with 2 heads. W&F <0.06% wrms. 17.75 x 5.38 x 10 in; 19 lb, 13 oz $750

CR 5A 3-Head Cassette Deck
Discrete cassette deck with asymmetrical diffused-resonance dual-capstan transport. Features 3 motors; Dolby B; Dolby C; bias fine tuning; output level control; memory stop/play; LED meters; soft-touch controls; headphone jack; rec mute; auto repeat; dual speed-master fader control; independent L/R. W&F 0.027% wrms; FR, ferric 18-21,000 Hz ±3 dB; S/N (all A-wtd), metal 66 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 1,000 mV. 17.12 x 5.31 x 12 in; 18 lb, 2 oz $1,095

MR-1 Discrete 3-Head Pro Cassette Deck
Cassette deck with asymmetical dual-capstan diffused-resonance transport. Features Dolby B and C; 3 motors; memory stop; rec mute; external NR loop accessed via standard phono jacks; dual 16-segment peak-reading electronic level meters; Crystalloy recording and play heads; subsonic filter; MPX filter; ±6% pitch control front-panel 0.25″ unbalanced line-input jacks; rear balanced XLR input and output jacks; unbalanced 0.25″ rear jacks. Balanced inputs: imp 600 ohms; rated input level +4 dBm; headroom 16 dB to max input level (+20 dBm); min input level −6 dBm. Unbalanced inputs: imp 100 kilohms; nominal recording level with input of −20 dBV (0.1 V); nominal input level 0.316 V. Comes with EIA standard rack-mount adaptor. Optional remote control. W&F 0.027% wrms, ±0.048% wtd peak; FR 20-20,000 Hz ±3 dB at −20 dB $995

CR-4A Discrete Head Cassette Deck
Discrete 3-head system. Features asymmetrical dual-capstan direct drive transport with FG-servo capstan motor manual bias & level calibration; built-in test signals; dolby B/C NR ; independent tape and EQ selection; 13-segment 50 dB peak-level meters; one-touch rec/pause; 4-digit LED counter with memory stop and auto repeat; calibration; concentric record level & balance control; output level; gold-plated input, output, and headphone jacks; OFC wiring and copper-plated chassis; optional remote control; FG servo, brushless, slotless, coreless D.D. motor; DC motor mechanism; Wow and flutter < ±0.048% WTD Peak; FR 20-20,000 Hz ±3 dB; Dolby-C >72 dB; THD <0.8%; sep > 37 dB; 16.94 x 3.94 x 10.44 in; 13 lb $995

CR-3A Discrete Head Cassette Deck
Discrete 3-head system. Features asymmetrical dual-capstan transport; bias fine tune; dolby B/C NR; independent tape & EQ selection; 13-segment 50 dB peak-level meters; 4-digit LED counter with memory stop and auto repeat; rec mute; dolby, source/tape, rec mute, stop, play, pause and record indicators; concentric record level and balance controls; output level control; extra-heavy chassis; optional remote control; DC servo motor; DC motor mechanism; wow and flutter ±0.06% WTD peak; FR 20-20,000 Hz ±3 dB; Dolby-C NR >72 dB; THD <0.9%; sep >37 dB; 16.94 x 3.94 x 10.44 in; 12 lb, 13 oz $795

MR-2 2-Head Pro Cassette Deck
Rack-mountable cassette deck with balanced line inputs. Features 3 motors; Dolby B; Dolby C; bias fine tuning; output level control; memory stop; LED meters; mike inputs; headphone jack; pitch control; auto repeat; hyperbolic-contour laminated sendust rec/playback head. W&F 0.06% wrms; FR, ferric 20-20,000 Hz ±3 dB; S/N (all A-wtd), ferric 62 dB Dolby B, 68 dB Dolby C $559

CR-2A 2-Head Cassette Deck
Microprocessor-controlled silent-mechanism transport; dolby B/C NR with defeatable MPX filter; bias

fine tune; independent tape and EQ selection; 37 dB peak-level meters; 4-digit LED counter; memory stop; auto repeat; timer rec/play; rec mute; concentric record level and balance controls; output level control; headphone jack; optional remote control; DC servo motor; DC motor mechanism; wow and flutter < ±0.11% WTD peak; FR 20-20,000 Hz; Dolby-C NR >70 dB; THD < 1.0%; sep >36 dB; 16.94 x 3.94 x 10.44 in; 11 lb, 14 oz $475

CR-1A 2-Head Cassette Deck
Microprocessor-controlled silent-mechanism transport; Dolby B/C NR with defeatable MPX filter; independent tape and EQ selection; 37 dB peak-level meters; 3-digit mechanical counter; memory stop; auto repeat; timer rec/play; concentric record level and balance controls; headphone jack; DC servo motor; DC motor mechanism; wow and flutter < ±0.11% WTD peakl FR 20-20,000 Hz; Dolby-C NR >70 dB; THD <1.0%; sep >36 dB; 16.94 x 3.94 x 10.44 in; 11 lb, 14 oz $349

NEC

K-710 Dual-Well Cassette Deck
Dual-well cassette deck with twin microprocessor-controlled full-logic mechanisms. Features 2-speed dubbing; built-in Dolby B and C noise reduction; programmed dubbing and playback of up to 15 tracks; intro-play; continuous play; endless continuous play; music scan forward and back; NEC universal remote controllable; flying-start recording capability; auto rewind and play; auto record mute; 7-LED level indicators; stereo mic inputs $399

K-510 Dual-Well Cassette Deck
High-speed dubbing cassette deck with Dolby B & C. Features continuous playback; synchro-start dubbing; soft-touch controls $249

NIKKO AUDIO

D-100III Autoreverse Cassette Deck
Features 3 heads; Dolby B, C, and dbx; automatic bias programming system (ABPS); manual bias system; random program song selection (RPSS); direct program song selection (DPSS); index programming; real-time counter; intro check; auto spacer; L/R mic inputs; rec mute; mutiplex filter; peak reading meters. Optional wired remote control and rack mount. FR 25-20,000 Hz metal, 25-19,000 Hz high bias, 25-17,000 normal; S/N 92 dB with dbx; dynamic range 110 dB. $499
D-80II. Same as above except 2 heads and FR 20-19,000 Hz metal, 20-18,000 Hz high bias, 25-17,000 Hz normal; dynamic range 110 dB; S/N 90 dB with dbx $399

ND-850W.Cassette Deck
Double cassette deck $430

D-60W Double Cassette Deck
Double cassette deck with 6 motors. Features high-speed dubbing; Dolby B & C noise reduction; ABPS; IP; RPSS; random dubbing song search (RDSS). Optionally rack mountable $329

D-30W Double Cassette Deck
High-speed dubbing cassette deck with continuous play. Features Dolby B & C; separate L/R input level controls; multiplex filter; mic inputs; headphone output; soft-touch operation. Optionally rack mountable $199

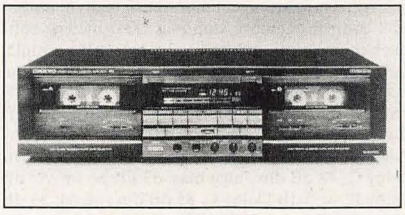
ONKYO

Integra TA-2090 Unidirectional Cassette Deck
Computer-controlled cassette deck with Dolby B, C, dbx NR and Dolby HX Pro. Features 3 heads; 3 motors; auto bias/EQ; dual capstans; bias fine tuning; direct drive; elapsed-time counter; remaining-time counter; music search; output level control; memory stop/play; mike input; headphone jack; rec mute; record calibration controls; sendust heads; MPX filter; fluorescent meters; 2-color peak hold. Remote control and side panels optional. W&F 0.02% wrms; FR 25-17,000 Hz ±3 dB (Type-I tape), 25-19,000 Hz ±3 dB (Type-II tape), 25-21,000 Hz ±3 dB (Type-IV tape); S/N (Type-IV tape) 60 dB no NR, 70 dB Dolby B, 80 dB Dolby C, 87 dB dbx. 17.69 x 3.93 x 15.44 in; 20 lb $900
CW-20. Optional woodgrain side panels for TA-2090. ..... $60/pr

TA-2800 Cassette Deck
3-head cassette deck. Features computer-controlled three-motor silent mechanism transport; Dolby B and C noise reduction; Dolby HX Pro; automatic accu-bias; record calibration; real-time counter; switchable MPX filter; forward and reverse AMCS integrated system remote compatibility $650

TA-RW490 Double Cassette Deck
Features double autoreverse; double recording; high-speed and real-time dubbing; continuous recording; Dolby B & C; Dolby Hx Pro; 2 real-time tape counters; program music search for both decks; headphone jack; mike input. Remote control optional $630

TA-RW470 Double Cassette Deck
Dual computer-controlled, two motor, autoreverse transports. Features Dolby B and C noise reduction;



real-time counter; standard and high-speed dubbing; continuous play; AMCS; integrated system remote compatibility $500

TA-2600 Cassette Deck
3-head cassette deck. Features computer-controlled three-motor silent mechanism transport; Dolby B and C noise reduction; Dolby HX Pro; Accu-Bias; real time counter; switchable MPX filter; forward AMCS; integrated system remote compatible .. $480

TA-W450 Double Cassette Deck
Features high-speed and real-time dubbing; continuous playback; Dolby B & C; computer-controlled tape transport with 4 DC motors; automatic music control system; auto space; auto bias/EQ; LED meters; mic input; headphone jack. Remote control optional. W&F 0.07% wrms; FR 30-15,000 Hz ±3 dB (Type-I tape), 30-16,000 Hz ±3 dB (Type-II tape), 30-17,000 Hz ±3 dB (Type-IV tape); S/N (Type-IV tape) 58 dB no NR. 17.12 x 4.38 x 10.12 in; 10.1 lb $330

TA-R260 Autoreverse Cassette Deck
Features Dolby B & C; Dolby Hx Pro; 2 heads; 2 motors; computer-controlled silent-mechanism transport; fine-tuning accu-bias; automatic music control system; auto bias/EQ; real-time 4-digit tape counter; blank skip; mic inputs; headphone jack; auto space; LED meters. Remote control optional. W&F 0.07% wrms; FR 30-14,000 Hz ±3 dB (Type-I tape), 30-15,000 Hz ±3 dB (Type-II tape), 30-16,000 Hz ±3 dB (Type-IV tape); S/N (Type-IV tape) 58 dB no NR. 17.12 x 4.38 x 10.38 in; 9.3 lb $370

TA-2140 Unidirectional Cassette Deck
Features Dolby B & C; Dolby Hx Pro; 2 heads; 2 motors; computer-controlled silent-mechanism transport; fine-tuning accu-bias; automatic music control system; auto bias/EQ; real-time 4-digit tape counter; blank skip; mic inputs; headphone jack; auto space; LED meters. Remote control optional. W&F 0.06% wrms; FR 30-15,000 Hz ±3 dB (Type-I tape), 30-16,000 Hz ±3 dB (Type-II tape), 30-17,000 Hz ±3 dB (Type-IV tape); S/N (Type-IV tape) 58 dB no NR. 17.12 x 4.38 x 10.38 in; 9.1 lb $330

TA-RW44 Double Cassette Deck
Features autoreverse (deck 2 only); high-speed and normal-speed dubbing; Dolby B; 2 DC-servo motors; auto bias/EQ (deck 2); rec mute; auto stop; time standby mode; music search (deck 2); soft-touch controls; master level fader. W&F 0.07% wrms; FR 30-15,000 Hz ±3 dB (Type-I tape), 30-16,000 Hz ±3 dB (Type-II tape), 30-17,000 Hz ±3 dB (Type-IV tape); S/N (Type-IV tape) 58 dB no NR. 17.12 x 4.38 x 10.12 in; 11.7 lb $275

TA-R240 Autoreverse Cassette Deck
Features Dolby B & C; 2 heads; 2 motors; computer-controlled silent-mechanism transport; fine-tuning accu-bias; automatic music control system; auto bias/EQ; blank skip; mike inputs; headphone jack; auto space; LED meters. Remote control optional. W&F 0.07% wrms; FR 30-14,000 Hz ±3 dB (Type-I tape), 30-15,000 Hz ±3 dB (Type-II tape), 30-16,000 Hz ±3 dB (Type-IV tape); S/N (Type-IV tape) 58 dB no NR. 17.12 x 4.38 x 10.38 in; 9.3 lb $270

TA-2130 Unidirectional Cassette Deck
Features Dolby B & C; 2 heads; 2 motors; computer-controlled silent-mechanism transport; fine-tuning accu-bias; automatic music control system; auto bias/EQ; blank skip; mike inputs; headphone jack; auto space; LED meters. Remote control optional. W&F 0.06% wrms; FR 30-15,000 Hz ±3 dB (Type-I tape), 30-16,000 Hz ±3 dB (Type-II tape), 30-17,000 Hz ±3 dB (Type-IV tape); S/N (Type-IV tape) 58 dB no NR. 17.12 x 4.38 x 10.38 in; 9.1 lb $260

TA-2120 Cassette Deck
Features computer-controlled transport; Dolby B and C noise reduction; automatic tape selector; auto space record mute; RI remote compatible $220

PARASOUND

D/HX-600 Dolby B, C, HX Pro Cassette Deck
With Dolby B and Dolby C NR; Dolby HX Pro headroom extension; sendust-alloy head; LED peak and peak storage meters; Play Trim; polystyrene capacitors; hand-selected parts; single DC servomotor; soft-touch controls. S/N 75 dB with metal tape and Dolby C; 17.25 x 4.5 x 11 in; 12 lb $360

PHILIPS

FC 567 Dual Cassette Deck
Digitally controlled electronic auto reverse and automatic two-way recording for both decks; ability to record or play up to three hours of continous music; normal and high speed dubbing; mono microphone mixing capabilities; Quick Music Search (QMS) for fast skipping of up to 15 tracks; Memo Key operates in conjunction with QMS to program 16 tracks in any order; Dolby B and C Noise Reduction circuits eliminate tape hiss; LED bar indicates peak levels for left and right channels; slide record level controls left and right channels; microprocessor controls; precision ground capstans and pressure rollers; full auto stop to protect tape and transport mechanism in all modes; 3-digit tape counter with reset; automatic tape selection operates when tape is inserted (with Normal, Metal and Chrome tape); timer switch allows play/record with external timer control; tape direction and mode indicators; MPX filter eliminates pilot tone interference on FM recordings; Autospace Record Mute inserts 4-second pause between tracks; front panel microphone and headphone inputs. Motor type 2 DC Servo 2 DC; speed tolerance 1.5%; W&F 0.04% wrms; FR 30-18,000 Hz. 4.0 x 16.8 x 10.4 in; 11.66 lb $479

FC 566 Cassette Deck
Electronic auto reverse and automatic two-way recording and playback; Quick Music Search (QMS) for fast skipping of up to 15 tracks; Index Scan plays

first 10 seconds of each track to locate favorite musical passage; Autospace Record Mute inserts 4-second pause between recorded tracks; Blank Skip eliminates silences between tracks by automatically forwarding to net recording; Dolby B and C Noise Reduction circuits eliminate tape hiss; Precision ground capstan and pressure roller for smooth tape feed; 4-digit electronic tape counter with memory and reset; automatic tape selection operates when tape is inserted (with Normal, Metal and Chrome indication); two FTD record level displays for peak levels; MPX filter eliminates pilot tone interference on FM recordings; timer switch allows play/record with external timer control; front panel stereo microphone and headphone inputs; concentric controls for separate left and right level settings; tape direction and mode indicators; full auto stop to protect tape and transport in all modes. Motor type 1 DC Servo 1 DC; speed tolerance 1.3%; W&F 0.04% (wrms); FR 30-18,000 Hz. 4.0 x 16.8 x 10.4 in; 9.9 lb $379

PIONEER

Elite CT-91 Cassette Deck
Cassette deck with Dolby B, C, and HX Pro noise reduction. Features full-logic controls; 3 heads; 2 motors; 3 power supplies; bias fine tuning; anti-vibration design; dual-capstan; amorphous head; FL display; system remote compatible; electronic real time tape counter; power eject auto monitor; FR 20-22,000 Hz; S/N 80 dB; W&F 0.024% wrms. 5.25 x 16.56 x 14.63 in; 21 lb, 3 oz $950

CT-S800 Cassette Deck
Three-head, two-motor dual-capstan cassette deck with remote control. Features full-logic control; Dolby HX Pro bias-variance monitoring; Dolby B and C noise reduction; automatic tape selector; closed-loop dual capstan mechanism; Pioneer cassette stabilizer system; copper-plated honeycomb chassis; three individual power supplies; 15-segment level display; electronic real-time tape counter; auto record muting between tracks; 15-track music search function; one-touch tape return; auto monitor and power eject $750

CT-W900R Double Cassette Deck
Cassette deck with the Dolby HX Pro signal monitoring and adjustment system. Features two autoreverse transports; two-sided continous recording of each



tape; relay play; Pioneer cassette stabilizer system; independent operation keys for each deck; remote control compatibility; blank search; blank skip; skip search; automatic recording mute $650

CT-W700R Double Cassette Deck
Cassette deck with the Dolby HX Pro signal monitoring and adjustment system. Features playback on transport 1 and recording or playback on transport 2; relay play; Pioneer cassette stabilizer system; independent operation keys for each deck; remote control compatibility; blank search; blank skip; automatic recording mute $435

CT-S600 Cassette Deck
Two-head cassette deck with full-logic control. Features Dolby HX Pro bias-variance monitoring; Dolby B and C noise reduction; Pioneer cassette stabilizer system; copper-plated honeycomb chassis; 15-segment level display; electronic real-time tape counter; 15-track music search function; one-touch tape return; auto monitor and power eject.... $375

CT-1280WR Double Cassette Deck
Features autoreverse playback and recording on deck 2; autoreverse playback on deck 1; Dolby B & C; relay play; high-speed dubbing; full-logic control; music search; skip search; auto tape selector; record mute. Remote controllable with Pioneer "SR" unified remote control. W&F <0.09% wrms; S/N 57 dB no NR. 16.6 x 4.75 x 10.44 in $360

CT-W500 Double Cassette Deck
Cassette deck with the Dolby B and C noise reduction. Features playback on transport 1 and recording or playback on transport 2; relay play; Pioneer cassette stabilizer system; independent operation keys for each deck; remote control compatibility; blank search; blank skip; automatic recording mute $310

CT-W300 Double Cassette Deck
Cassette deck with the Dolby B and C noise reduction. Features playback on transport 1 and recording or playback on transport 2; relay play; Pioneer cassette stabilizer system; independent operation keys for each deck; remote control compatibility$225

PROTON

740 Cassette Deck
Full-logic-controlled autoreverse cassette deck with Dolby B, C, and dbx. Features 2 heads; 1 motor; auto bias/EQ; elapsed-time counter; music search; output level control; memory stop/play; LED meters; soft-touch controls; mic inputs; headphone jack; rec mute; sleep timer function; 9 program memory selection; adaptable to timer for playback or record. W&F 0.05% wrms; FR ferric 25-16,000 Hz ±3 dB, high bias 25-18,000 Hz ±3 dB, metal 25-19,000 Hz ±3 dB; S/N (A-wtd) ferric: 49 dB no NR, 58.5 dB Dolby B, 68 dB Dolby C, 78 dB dbx, high bias: 53 dB no NR, 62 dB Dolby B, 71.5 dB Dolby C, 85 dB dbx, metal: 53 dB no NR, 60 dB Dolby B, 70 dB Dolby C, 95 dB dbx; mic input sens 0.35 mV $349

∓≅-÷((Cassette Deck
Cassette deck with Dolby B & C NR. Features autoreverse (in play and rec); MPX filter; auto bias selector; full-logic controls; FR metal bias 40-17,000 Hz ±3 dB; S/N CrO_2 70 dB; THD 1.5% (metal tape), 1.8% (CrO_2), 1.2% (normal tape) $319

AD-200 Cassette Deck
Cassette deck with one-button record. Features Dolby B and C noise reduction; defeatable MPX filter; LED peak-level indicators for record and playback; counter indicator; headphone jack; locking rewind and fast forward; tape selector. W&F; 0.08%; line-input sens 80 mV; FR 40-15,000 Hz ±3 dB (normal, $Cr0^2$), 40-16,000 Hz ±3 dB (metal). 16.5 x 4 x 10 in; 8.8 lb $229

RCA

MTR225 Double Autoreverse Cassette Deck
Dimensia double cassette deck with remote-control operation and on-screen status indication when used with Dimensia monitor. Features Dolby B & C NR; high-speed dubbing; soft-touch electronic controls; microprocessor control; peak meters; random-access programming; scan-and-play system; automatic tape cueing; auto tape selection; status display; tape mode display; record-level control. S/N 70 dB (Dolby C), 60 dB (Dolby B); W&F <0.07%. 14.63 x 5 x 10.38 in$399

REALISTIC

SCT-100 Double Autoreverse Cassette Deck
Dolby B and Dolby C; high-speed dubbing; compatible with normal, high-bias, metal tapes; mic inputs; headphone jack; 2-color 8-LED peak-level meters; sequential play; soft-touch controls. W&F 0.08% wrms; FR (±3 dB) ferric 40-12,500 Hz, high bias 40-13,000 Hz, metal 40-14,000 Hz; S/N 69 dB Dolby C, 61 dB Dolby B $230

SCT-83 Autoreverse Cassette Deck
Dolby B; Dolby C; music search; solenoid operation; plays 1 side, both sides, or repeats continuously; compatible with normal, high-bias, metal tape; mic and headphone jacks; intro scan. W&F 0.06% wrms; FR (±3 dB) ferric 40-14,000 Hz, high bias 40-15,000 Hz, metal 40-16,000 Hz; S/N 70 dB Dolby C, 62 dB Dolby B. $220

SCT-74 Double Cassette Deck
Dolby B and Dolby C; high-speed dubbing; compatible with normal, high-bias, metal tapes; LED's for power and recording; mic inputs; headphone jack. W&F 0.12% wrms; FR (±3 dB) ferric 60-10,000 Hz, high bias 60-12,000 Hz, metal 60-14,000 Hz .. $180

SCT-45 Double Cassette Deck
4 heads; 2 motors; Dolby B; manual azimuth adjust; elapsed-time counter; mic inputs; headphone jack. W&F 0.1% wrms; FR (±3 dB) ferric 40-12,500 Hz, high bias 40-13,000 Hz, metal 40-14,000 Hz; S/N (A-wtd) ferric 60 dB Dolby B. 16.5 x 5 x 8.81 in; 8 lb, 10 oz. $130

SCT-46 Double Cassette Deck
Dolby B; 2 heads; high-speed dubbing; headphone and mic jacks; Synchro-Start; continuous play; 2-color LED level meters; permalloy rec/play head. W&F 0.1% wrms; FR (±3 dB) ferric 30-14,000 Hz, high bias 30-15,000 Hz, metal 30-16,000 Hz; S/N (A-wtd) 66 dB with metal tape and Dolby B..... $150

SCT-35 Dolby B Cassette Deck
2 heads; L/R record level controls; 2-color peak level meters; auto-stop; tape counter; pause; soft-eject door; bias/EQ selector for normal, high-bias, metal tape; 0.25″ mic and headphone jacks. FR 40-14,000 Hz ±3 dB metal and high bias, 40-12,000 Hz ±3 dB normal; W&F <0.09% wrms. 4.63 x 15.38 x 8.63 in $90

SCP-30 Cassette Player
Plays metal, high-bias, normal tapes; pause; auto stop; simulated walnut cabinet. 8 x 4.5 x 5.25 in$50

8-Track Cartridge Player

TR-169 8-Track Cartridge Player
Stereo 8-track player; auto or manual program change; output level control. 4 x 10 x 7 in $50

REVOX

B215 3-Head Cassette Deck
Cassette deck with 3 microprocessors for control of bias, level, EQ, transport, and real-time counter. Features 3 heads, Dolby HX Pro, Dolby B & C; 4 motors; digital storage of bias, level, EQ settings for 6 tape formulations; manual or auto record-level setting; die-cast transport chassis; azimuth-stable pivoting headblock; 2 programmable locate buttons; loop mode; auto start-of-record locate. Counter computes elapsed time on partially wound tapes. W&F 0.1% wrms; FR ferric 30-18,000 Hz ±3 dB, high bias and metal 30-20,000 Hz ±3 dB; S/N (A-wtd) ferric: 55 dB no NR, 64 dB Dolby B, 70 dB Dolby C, high bias: 57 dB no NR, 65 dB Dolby B, 72 dB Dolby C, metal: 58 dB no NR, 66 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 50 mV; line output level with 0-dB indication 775 mV; 17.7 x 6 x 13 in $2,300

ROTEL

RD870 Dobly B/C/HX Pro Cassette Deck
Features Sendust rec/play head; precision transport mechanism; 2 heads; 2 motors; bias fine tuning; direct drive; LED meters; soft-touch controls; mic inputs; headphone jack. W&F 0.05%; FR metal 30-20,000 Hz ±3 dB. $499

RD855 Dolby B & C Cassetted Deck
Cassette deck with Full-logic controls features 2 motors; remote control $379

RD835 Dolby B & C Cassette Deck
Cassette deck with sendust rec/play head, ferrite core erase head. Features soft-touch controls; LED meters; mic inputs; DC servo motors; headphone jack. W&F 0.08% wrms; FR ferric 30-17,000 Hz ±3 dB, high bias 30-17,000 Hz ±3 dB, metal 30-18,000 Hz ±3 dB; S/N high bias: 55 dB no NR, 64 dB Dolby B, 72 dB Dolby C; 17 x 4.5 x 10.62 in; 9.1 lb $249

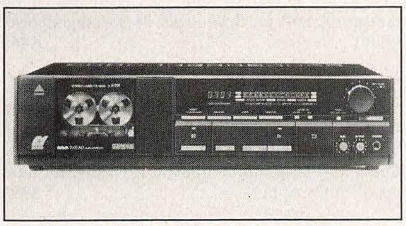
SAE

C102 Two-Head Cassette Deck
Full-logic microprocessor cassette deck. Features tape transport encased in electronic sliding drawer; 2 heads; 2 motors; Dolby B; Dolby C; manual azimuth adjust; elapsed-time counter; remaining-time counter; music search; blank skip; memory stop/play; LED meters; rec mute; sendust heads. W&F 0.06% wrms; FR 20-20,000 Hz for all tape types; S/N (high bias): 55 dB no NR, 65 dB Dolby B, 74 dB Dolby C; line-input sens for 0-dB reading 70 mV; line output level with 0-dB indication 650 mV. 19 x 3.5 x 14 in; 18 lb $499

SANSUI

D-W11 Double Cassette Deck
Auto-reverse high-speed dubbing cassette deck. Features 2 heads and 2 motors for each transport; Compu-Edit; 16-track RMPS; 15-track Automatic Music Program Search; auto fader; rec cancel; intro skip; timer record/play; manual and auto level controls; auto bias/EQ; Dolby B & C NR; dual capstans; auto azimuth adjust; elapsed-time counter; music search; blank skip; memory stop/play; LED meters; mic inputs; headphone jack; rec mute; black or silver. W&F 0.05% wrms; FR metal 30-17,000 Hz ±3 dB; S/N (A-wtd) metal: 57 dB no NR, 66 dB Dolby B, 73 dB Dolby C. 16.94 x 4.37 x 12 in; 13.4 lb$650

D-X701 Cassette Deck
3-head, 2-motor, dual capstan cassette deck with full-logic controls. Features Dolby B and C noise reduction; individual record and playback DC amplifiers;



record level; fine-bias adjustment; headphone jack with adjustable level; record/pause; auto-monitor; memory stop; 15-track automatic music program search; FL display. FR 30-20,000 Hz; W&F 0.035% wrms; S/N 60 dB. $650

D-X501 Cassette Deck
2-head, 2-motor cassette deck with full-logic controls. Features Dolby B and C noise reduction; record cancel; headphone jack with adjustable level; record-/pause; auto-monitor; memory stop; 15-track automatic music program search; FL display. FR 30-18,000 Hz; W&F 0.045% wrms; S/N 58 dB $450

D-X301iR Cassette Deck
Cassette deck with full-logic controls and Computerized Dual-Function Control. Features Dolby B and C noise reduction; Dolby HX Pro; automatic bias adjustment; record/play timer; Sansui integrated system remote capability; record cancel; music scan; headphone jack with adjustable level; memory stop; 20-track automatic music program search. FR 20-19,000 Hz; W&F 0.5% wrms; S/N 72 dB (Dolby C). $380

D-3000WR Double Cassette Deck
High-speed dubbing autoreverse deck. Features LED meters for each channel; full logic, soft-touch controls; Dolby B and C; AMPS (Automatic Music Program Search); rec mute. W&F 0.09% wrms; FR metal 20-17,000 Hz; S/N metal 72 dB Dolby C: 64 dB Dolby B. 16.94 x 5 x 8.97 in; 9.9 lb $375

D-1000W Double Cassette Deck
Double cassette deck with high-speed dubbing. Features 2 full-logic, computer-controlled transports; Dolby B and C noise reduction; manual level controls; level meters; automatic music program search. W&F 0.09% wrms; FR metal 20-17,000 Hz; S/N metal 74 dB $300

D-550WR Double Cassette Deck
Double cassette deck with autoreverse on the playback deck. Features relay play; automatic level control; high-speed dubbing; Dolby B noise reduction; tape type selector. $230

SANYO

RDW59 Double Cassette Deck
Features Dolby NR; continuous playback; high-speed dubbing; synchronous dubbing; metal-tape capability; dual level meters; auto-stop; soft-touch transport controls; 3-digit tape counter; headphone jack. $130

RDW41 Double Cassette Deck
Features synchro dubbing; continuous playback; Dolby NRa; metal-tape capability; soft-eject doors; 5-segment LED level meters; 3-digit tape counter; auto stop $80

RDS29 Cassette Deck
Features soft-touch controls; Dolby NR; permalloy heads; metal-tape capability; 5-segment VU meters; headphone jack; input level controls; 3-digit tape counter $60

SCOTT

DD696 Double Cassette Deck
Double cassette deck with autoreverse and remote control. Features high-speed dubbing; Dolby B, Dolby C, dbx NR; full-logic transports; auto program search; relay play; bias fine tuning; 3-way autoreverse selection; headphone jack with volume control. W&F 0.08% wrms; FR (±3 dB) 30-14,000 Hz ferric, 30-15,000 Hz high-bias, 30-16,000 Hz metal; A-wtd S/N: 62 dB with Dolby B, 70 dB with Dolby C, 90 dB with dbx $560

DD688 Double Cassette Deck
Dolby B and Dolby C NR; high-speed dubbing; music search; LED meters; soft-touch controls; headphone jack; continuous play. W&F 0.15% wrms; FR (±3 dB) 40-13,000 Hz ferric, 40-14,000 Hz high-bias, 40-15,000 Hz metal; A-wtd S/N: 62 dB with Dolby B, 70 dB with Dolby C $250
DD656. As above without Dolby C and music search $250

SHARP

RT-W800(BK) Double Cassette Deck
Autoreverse high-speed-dubbing cassette deck with Dolby B NR. Features soft-touch controls; auto program search; LED peak level meters; metal-tape capability; 2 heads; 1 motor; music search; output level control; mic inputs; headphone jack. W&F 0.08% wrms; record/playback FR ferric 40-13,000 Hz ±3 dB, high bias 40-14,000 Hz ±3 dB; metal 40-16,000 Hz ±3 dB; 17 x 4.89 x 9.89 in $230

RT-W500(BK) Double Cassette Deck
Cassette deck with high-speed synchronous dubbing and continuous playback capabiity. Features 2 heads, 1 motor; Dolby B; LED peak level meters; headphone jack; mic inputs; metal-tape capability; auto stop. W&F 0.12% wrms; record/playback FR ferric 50-11,000 Hz ±3 dB, high bias 50-12,000 Hz ±3 dB; metal 50-13,000 Hz ±3 dB; 17 x 4.88 x 8.56 in; 7.3 lb $130

SHERWOOD

DF-7000R 3-Head Cassette Deck
Features microprocessor supervised, full-logic control; 3-tape heads; Dolby B and C NR; bias control; digital readout; automatic tape selector; separate left/right record level adjustment; output level control; microphone and headphone jacks; 13-segment rec level indicators; rec mute button; timer switch; 2-line input jacks with record cross fader; FR 30-18,000 Hz; S/N ratio 75 dB; 40 dB channel sep at 1 kHz; W&F 0.05%. 5.0 x 17.3 x 11.0 in. $659

DD-1230R Autoreverse Double Cassette Deck
Features microprocessor supervised, full-logic control; auto reverse recording; Dolby B & C NR; digital tape counter; normal and high-speed dubbing; bi-directional automatic music search; automatic tape selector; uninterrupted dubbing; fully synchronized one-touch dubbing; relay play with alternate playback deck; rec mute button; separate rec level and balance control; 13-segment rec level indicators; timer-record and start; illuminated tape run direction indicators; air-dampened soft eject cassette doors; FR 30-16,000 Hz; S/N ratio 75 dB; 40 dB channel sep at 1 kHz; W&F 0.12%. 4.7 x 17.3 x 8.9 in. $359

DS-1630R Single Autoreverse Cassette Deck
Features microprocessor supervised, full-logic control; auto reverse; Dolby B & C NR; digital readout; automatic tape selector; 2-line input jacks with record cross fader; auto music search system; three playback modes; microphone and headphone jacks; rec level and balance controls; output level control; 12-segment rec level indicators; rec mute button; air-damped soft eject cassette door; timer switch; FR 30-18,000 Hz; S/N ratio 75 dB; 40 dB channel sep at 1 kHz; W&F 0.09%. 5.0 x 17.3 x 11.0 in. $329

S-289RDR Double Cassette Deck
Features autoreverse dubbing capability; 2 dubbing speeds; Dolby B & C NR; compatible with Sherwood Digi-Link remote components; auto music search; auto tape select; LED peak level indicators; relay playback for continuous listening of both decks; timer/start; rec mute $300

DD-1130 Double Cassette Deck
Features Dolby B and C NR; high-speed dubbing; synchronized dubbing; relay play; continuous play; Normal, CrO2, and Metal tape settings; adjustable



rec level; 3-digit tape counter; LED rec level indicators; air-damped soft eject cassette doors; FR 30-16,000 Hz; S/N ratio 73 dB; 37 dB channel sep at 1 kHz; W&F 0.2%. 4.7 x 17.3 x 8.9 in. $199

SONY

TC-WR11ES Double Cassette Deck
Double cassette deck with twin/sequential recording. Features 4-motor (2 per transport) design with Feather-Touch controls; autoreverse; high-speed dubbing; Dolby B and C noise reduction on both decks; relay play; auto pause; linear real-time counter; automatic music sensor; blank skip; automatic tape type selection; remote control; 210 kHz super bias. FR 20-20,000 Hz ±3 dB $800

TC-K700ES Cassette Deck
Three-head cassette deck with a mid-ship drive system that separates the control circuitry from the audio circuits leaving the tape transport mechanism in the mid-ship portion of the chassis. Features twin

monaural DC amp design; LC-OFC laser amorphous heads; Dolby B and C; memory stop/play; auto playback-EQ selector; MPX filter switch; auto play; auto space rec mute; timer record and playback; linear counter; counter subtract function for remaining time indication; headphone jack with adjustable level. W&F 0.025% wrms; FR 20-20,000 Hz ±3 dB (no NR, Type-IV tape); S/N 60 dB (no NR, Type-IV tape). 17 x 5 x 13.75 in. $700

TC-WR900 Double Cassette Deck
Double cassette deck with recording on both decks. Features 4-motor (2 per deck) design; double autoreverse; Dolby B and C noise reduction on both decks; laser-amorphous heads on both decks; relay play; dubbing level control; automatic music sensor; blank skip; electronic linear counter; direct-coupled electronics; dual-deck remote capability. FR 30-18,000 Hz; W&F 0.05%. 4.63 x 17 x 12.13 in; 12.5 lb . $700

TC-RX80ES Cassette Deck
Cassette deck with laser-amorphous head. Features 2-motor transport with DC-servo motor for capstan and separate motor for reel hubs; autoreverse; Dolby B and C noise reduction; Dolby HX PRO; 5-band spectrum analyzer; linear real-time counter; record level calibration with 10-second test tone; variable bias; automatic tape type selection; automatic music sensor; blank skip; music scan; auto space record mute; timer record/play; remote control capability; FR 20-20,000 Hz ±3 dB; 160 kHz Super Bias circuitry. $600

TC-RX60ES Cassette Deck
Cassette deck with laser-amorphous head. Features 2-motor transport with DC-servo motor for capstan and separate motor for reel hubs; autoreverse; Dolby B and C noise reduction; Dolby HX PRO; linear real-time counter; automatic tape type selection; automatic music sensor; blank skip; music scan; auto space record mute; timer record/play; remote control capability; FR 20-20,000 Hz ±3 dB; 160 kHz Super Bias circuitry $450

TC-WR9ES Double Cassette Deck
Double cassette deck with one record/play deck and one play only deck. Features 2-motor (1 per transport) design with Feather-Touch controls; autoreverse; high-speed dubbing; Dolby B and C noise reduction; relay play; auto pause; electronic digital counter; automatic music sensor; blank skip; automatic tape type selection on deck A; 160 kHz super bias. FR 20-20,000 Hz ±3 dB $400

TC-W7ES Double Cassette Deck
Double cassette deck with one record/play deck and one play only deck. Features 2-motor (1 per transport) design with Feather-Touch controls; high-speed dubbing; Dolby B and C noise reduction; relay play; electronic digital counter; automatic music sensor; FR 20-20,000 Hz ±3 dB $360

TC-WR800 Double Cassette Deck
Double cassette deck with recording on one deck. Features 2-motor (1 per deck) design; double autoreverse; Dolby B and C noise reduction on both decks; high-density heads on both decks; relay play; automatic music sensor; blank skip; direct-coupled electronics; remote control capability. FR 30-15,000 Hz; W&F 0.09%. 4.63 x 17 x 10 in; 10 lb $350

TC-W600 Double Cassette Deck
Double cassette deck with recording on one deck. Features 2-motor (1 per deck) design; Dolby B and C noise reduction on both decks; high-density heads on both decks; relay play; automatic music sensor; blank skip; direct-coupled electronics; remote control capability. FR 30-15,000 Hz; W&F 0.09%. 4.63 x 17 x 10 in; 10 lb $320

TC-RX50ES Cassette Deck
Cassette deck with laser-amorphous head. Features Feather-Touch transport; autoreverse; Dolby B and C noise reduction; electronic digital tape counter; 3-position tape type selector; high-speed cue; auto space record mute; timer record/play; built-in mic inputs; remote control capability; FR 20-20,000 Hz ±3 dB; 160 kHz Super Bias circuitry $300

TC-WR500 Double Cassette Deck
Double cassette deck with recording on one deck. Features 2-motor (1 per deck) design; Dolby B and C noise reduction on both decks; high-speed dubbing; soft-touch controls; high-density heads on both decks; continuous play; direct-coupled electronics. FR 30-14,000 Hz; W&F 0.12%. 4.63 x 17 x 9.88 in; 8 lb, 3 oz $280

TC-RX400 Cassette Deck
Autoreverse cassette deck with Dolby B and C noise reduction. Features remote control capability; feather-touch full-logic controls; direct coupled electronics; high-density heads; mic inputs; autoreverse; full-logic switching. FR 30-15,000 Hz; W&F 0.09%. 4.63 x 17 x 10 in; 8 lb, 11 oz $240

TC-W300 Double Cassette Deck
Double cassette deck with recording on one deck. Features 2-motor (1 per deck) design; Dolby B and C noise reduction on both decks; soft-eject; high-density heads on both decks; direct-coupled electronics. FR 30-14,000 Hz; W&F 0.12%. 4.63 x 17 x 9.88 in; 7 lb, 11 oz $210

TC-FX150 Cassette Deck
Cassette deck with Dolby B and C noise reduction. Features soft-touch controls; soft eject; high-density heads; 5-segment LED meter. FR 30-14,000 Hz; W&F 0.12%. 4.63 x 17 x 9.88 in; 6 lb, 7 oz $120

TANDBERG

TCD 3014A Cassette Deck
8-bit, 32-K, E-PROM microprocessor-controlled stereo cassette deck with 4 servo-controlled tape-transport motors. Features scan to play; scan to stop; auto rewind; auto replay; timer record/play; 3 heads; Dolby B and C; azimuth alignment; bias adjustment; record current adjustment utilizing built-in test system; linear motor to position heads and pinch-rollers to tape; instant "flying start" record/play; Dyneq record equalization; Actilinear II headroom-extension system; peak-reading meters; cue and review at half-speed; real time/real revolution counter; LED indication of all transport functions. Wireless infrared remote control with built-in receiver included. Rosewood side panels and rack mounts available $2,500

TEAC

R-616X Stereo Cassette Deck
Autoreverse cassette deck with bi-directional record-/play; autoreverse; repeat; IC logic controls; Dolby Hx; dbx & Dolby B-C NR; 15 program random memory play; block repeat; one touch recording; bias fine adjust; rec. mute with auto spacer; auto tape selector; MPX filter switch; timer/play standby function; tape direction indicators; independent record levels. W&F .05% WRMS; FR 25-20,000 Hz (metal); S/N 90 dB (dbx in over 1 kHz); 11 lb $500

V-670 3 Head Cassette Deck
3 head cassette deck with Dolby HX PRO and Dolby B-C NR. Bias fine tuning; rec. mute with auto-spacer; auto-tape selector; electronic tape counter with index and tape-run time modes; master recording level control witj left and right channel preset; two-color left/right program level meters; multi-function fluorescent display. 4.81 x 17.13 x 10.38-in; 11.02 lb$450
V-570. Similar to above but two head $350

W-450 Autoreverse Double Cassette Deck
Autoreverse double cassette deck with continuous playback and bi-directional recording in deck II. Features Dolby HX and Dolby B-C NR; sync reverse capability; sync dubbing capability; one program skip function in deck II; auto-tape selector. W&F.05% WRMS; FR30-17,000 Hz (metal); S/N70 dB Dolby C in; 4.81 x 17.13 x 10.75-in; 10.14 lb $290
R-455 CHX. Similar to above but not a double deck. $220
V-285-CHX. Similar to above but not autoreverse $150

V250/255 Cassette Deck
Dolby B; direct function mechanism; auto stop mecanism; metal capability; 3 position tape selector; one-touch recording. W&F.09% WRMS; FR30-18,000 Hz (metal); S/N 65 dB Dolby B: 4.75 x 17.13 x 8.44-in; 6.39 lb $120

TECHNICS

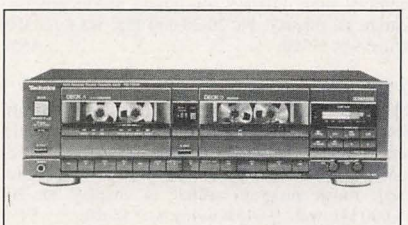
RS-T80R Double Cassette Deck
Features quick autoreverse, record, and play for both transports; 4 reverse modes; parallel and 3-hr series recording on both transports; series playback; synchro start; FL display; auto bias/EQ; feather-touch controls; remote-control capability with some Technics receivers; high-speed editing; 4 heads; 2 motors; Dolby B, Dolby C, dbx NR; elapsed-time counter; music select; headphone jack. W&F 0.08% wrms; S/N (A-wtd) high bias 57 dB no NR, 67 dB Dolby B, 75 dB Dolby C, 92 dB dbx. 16.94 x 4.36 x 10.91 in; 11.7 lb $680

RS-B905 Cassette Deck
Features closed loop dual capstan transport; 3 heads with noise reduction circuitry for decoded monitoring during record; Dolby HX processing; Dolby B and C noise reduction; dbx; 2-motor transport; FL display; bias control; record calibration tone generator; MPX filter; auto rec-mute; headphone jack with adjustable level. $660

RS-T55R Double Cassette Deck
Features quick autoreverse for both transports; Dolby B, Dolby C, and dbx NR; high-speed dubbing; auto bias/EQ; synchro start, stop; rec mute; auto space; anti-resonant metallic feet; edit search on Transport A; soft-touch controls; 28-part digital peak readout $460

RS-B605 Cassette Deck
Cassette deck with 3 heads with noise reduction circuitry for decoded monitoring during record. Features Dolby HX processing; Dolby B and C noise reduction; dbx; 2-motor transport; FL display; bias control; auto rec-mute $390

RS-T330R Double Cassette Deck
Dual-well cassette deck with quick autoreverse re-



cord/play in transport A. Features high-speed editing; Dolby B and C noise reduction; FL display; series play; synchro-start; synchro-record-mute; synchro-stop; electronic switching; LED indicators; cue and review; headphone jack; automatic tape selection; timer capability $330

RS-T230 Double Cassette Deck
Dual-well cassette deck with high-speed editing. Features Dolby B and C noise reduction; series play; synchro-start; synchro-record-mute; synchro-stop; electronic switching; LED indicators; cue and review; headphone jack; automatic tape selection; timer capability $230

RS-T130 Double Cassette Deck
Dual-well cassette deck with high-speed editing. Features Dolby B noise reduction; series play; synchro-start editing; electronic switching; LED indicators; cue and review; headphone jack; automatic tape selection; timer capability $230

RS-B105 Dolby B Cassette Deck
Features direct-mode switching; 2 heads; 2 motors; 1-touch recording; full auto stop; rec-level balance controls; timer rec/play; elapsed-time counter; LED meters; soft-touch controls; mike inputs. W&F 0.08% wrms; S/N (A-wtd, with high-bias tape) 56 dB no NR, 66 dB Dolby B. 16.94 x 4.53 x 9.28 in; 6.6 lb . $145

TOSHIBA

PC-5858 Double Cassette Deck
Double cassette deck with high-speed dubbing. Features IC logic design; Dolby B and C noise reduction; continuous play between decks; continuous record between decks; quick search selection; repeat function $399

UHER

CR 1601 Portable Cassette Deck
Compact front-loading portable cassette recorder with monitor facility featuring 8 hours record time and built-in voice actuating system. Features 3 heads; 2 motors; dual capstans; bias fine tuning; manual azimuth adjust; direct drive; elapsed-time counter; output level control; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; 3 tape speeds: 1.88 ips, .94 ips and .16 ips with ALC. W&F <2% wrms; FR ferric 20-19,000 Hz ±3 dB; 9.3 x 2.3 x 7.3 in; 5 lb $1,799

CR 1600 Portable Cassette Deck
Compact portable front-loading, fully electronic, remote control, auto-reverse, record/playback stereo cassette recorder with Dolby B. Features 8-hours record time with a built-in voice activation system; switchable ALC with 2-time constants; separate chan-



nel record level meters; 4-tracks; 1 7/8 adn 15/32 IPS; 3-heads; 2-motors; soft-touch solenoid controls with built-in speaker; operates on dry cell, 12 V car battery, 110/220 V AC. W & F ±1%; FR 30-16,000 Hz; A/V input capability; 9 x 2.3 x 7.3 in; 5.75 lb ... $1,799

CR-160AV Portable Cassette Deck
Portable stereo cassette deck with Dolby B and C Noise Reduction. Features 2 heads; 1 motor; manual azimuth adjust; mike inputs; headphone jack; ALC with two time constants; sep channel record level control; 3 built-in monitor speakers. Operates on dry cells, 12-V car battery or 120 V AC. W&F 0.2% DIN; FR ferric 30-16,000 Hz ±3 dB, high bias 30-16,000 Hz ±3 dB; S/N ferric: 64 dB no NR, 55 dB Dolby B; high bias: 66 dB without noise reduction, 57 dB Dolby B; line-input sens for 0-dB reading 588 mV; line output level with 0-dB indication 775 mV; mike input sens 0.35 mV; mike input overload 20 mV. 9.3 x 2.3 x 7.3 in $999

Accessories

F-423 Diapilot
Self-contained unit for synchronized tape control operation of automatic slide projector for use with Uher open-reel and cassette decks. DIN plug connector $260

Z-135 Power Supply/Charger
Power supply/charger unit for Uher cassette recorders $107

VECTOR RESEARCH

VCX-345 Double Cassette Deck
Double cassette deck with Dolby B and C NR. Features 2-speed dubbing; synchro-start dubbing; continuous play; power-assist transport controls; mic



inputs; manual dubbing/recording level; metal-tape capability; headphone jack. FR 40-17,000 Hz metal tape; S/N 73 dB (Dolby C), 65 dB (Dolby B); W&F 0.06% wrms. 16.56 x 4.31 x 8.25 in; 8.5 lb.... $250

VCX-325 Double Cassette Deck
Double cassette deck with Dolby B NR. Features 2-speed dubbing; synchro-start dubbing; continuous play; power-assist transport controls; mic inputs; manual dubbing/recording level; metal-tape capability. FR 40-15,000 Hz metal tape; S/N 63 dB (Dolby B); W&F 0.08% wrms. 17.25 x 4.5 x 10 in; 8.5 lb.. $150

YAMAHA

KX-1200U 3-Head Cassette Deck
3-head cassette deck with 28-key wireless remote control. Features double dbx dynamic expansion; double Dolby B & C noise reduction; ORBIT system with optical balance tuning indicator; closed-loop dual-capstan tape transport; Dolby HX Pro dynamic bias servo; high quality amorphous head; full-logic control; optimum recording level indicator; RS integrated system remote compatibility. Black; 22 lb$749

KX-W900U Double Cassette Deck
Double cassette deck with autoreverse. Features amorphous recording and playback heads; play, record, and autoreverse on both decks; relay play and record; Dolby B and C and HX Pro; high speed dubbing; auto dubbing; skip dubbing; random program dubbing; manual dubbing; cross-Dolby dubbing; simultaneous independent recording; 44-key wireless remote control; random program play on both decks; music search on both decks; intro scan; record return; auto record mute; blank skip; auto tape selection; 4-digit electronic linear tape counter; 13-segment peak level meters on both decks; remaining time indicator..... $699

KX-R700U Cassette Deck
Autoreverse cassette deck with autoreverse record and playback. Features full-logic, 3-motor tape transport; amorphous record/play head; dbx, Dolby B, Dolby C, and Dolby HX Pro; super bias; electronic record volume control; optimum record level indication; power eject and close; remaining tape time display; auto fade in/out; auto tape selector; rec return; bi-directional intro scan; 9-selection random program play; music search; programmable timer-/clock; 39-key wireless remote control; MPX filter; blank skip; 0-memory; auto rec mute; memory stop; integrated system remote compatibility $579



KX-800U Cassette Deck
3-head cassette deck with double dbx dynamic range expansion. Features Dolby B and C noise reduction; ORBIT optical balance tuning system; 3 motors; Dolby HX Pro; amorphous heads; master fader; MPX filter; linear time counter; 12-segment peak level meter; 28-key wireless remote control; integrated system remote compatibility; optimum record level indicator; random program play; intro scan; music search; repeat; record return; automatic rec mute; automatic tape selector; memory stop; headphone jack with adjustable level. S/N in Dolby B 69 dB, Dolby C 77 dB; dbx 90 dB; FR 20-22,000 Hz ±3 dB $569

KX-W302U Double Cassette Deck
Double cassette deck with autoreverse on both transports. Features play in both directions, record in one; full-logic operation; 12-layer amorphous laminate record play head provides high frequency response with very little noise and distortion; Dolby B and C noise reduction; one-touch dubbing at normal and high speed; relay play; auto tape selector; auto record mute; music search; MPX filter; 6-segment LED peak level display; Dolby HX Pro; optional remote control; integrated remote compatibility $449

K-640B Autoreverse Cassette Deck
Autoreverse cassette deck with RS integrated system remote compatibility. Features amorphous head; auto fade; remaining time; intro scan; car EQ; Dolby B, C, and HX Pro; dbx. Black; 16 lb..... $449

KX500U Cassette Deck
Cassette deck with Dolby B and C noise reduction. Features 3 motors; Dolby HX Pro; manual bias adjustment ±20%; master fader; MPX filter; 12-segment peak level meter; 27-key wireless remote control; integrated system remote compatibility; play trim; random program play; bi-directional intro scan; music search; repeat; record return; automatic rec mute; automatic tape selector $399

KX-W202U Double Cassette Deck
Double cassette deck with full one-way operation dual mechanism. Features hard permalloy record-play head; Dolby B and C NR; one-touch dubbing at normal and high speed; relay play; music search; record return; auto record mute; MPX filter; auto tape selector; optional remote control; integrated system remote compatibility $349

KX-400U Autoreverse Cassette Deck
Features permalloy rotary head design; one-way auto reverse; Dolby B, C, and HX Pro; music search; auto tape selector; forward/reverse intro scan; blank skip; phrase repeat; auto fader; rec return; auto rec mute; timer rec/play; optional RS-KW5 wireless remote control; 2-color 6-segment LED peak level meters. Black; 11 lb..... $329

KX-300U Cassette Deck
Cassette deck with Dolby B and C noise reduction. Features 2 motors; Dolby HX Pro; manual bias adjustment ±20%; MPX filter; 7-segment peak level meter; 10-key wireless remote control; integrated system remote compatibility; play trim; bi-directional intro scan; music search; repeat; record return; automatic rec mute; automatic tape selector .. $299

KX-200U Cassette Deck
Cassette deck with RS remote system compatibility. Features Dolby B & C NR; permalloy head; full-logic operation; forward/reverse intro-scan; full repeat and phrase repeat; optional RS-KW5 wireless remote control; auto tape selector; rec return; auto rec mute; 2-color 6-segment peak-level meters. Black; 11 lb $229

Accessories

RS-KW-5. Infrared remote control for all RS integrated system compatible cassette decks..... $50

RMA-K20. Rack mount adaptor for KX-1200U $18

OPEN-REEL TAPE DECKS

FOSTEX

E-22 Open-Reel Deck
3-channel stereo master recorder/reproducer open-reel tape deck. Features ½-track stereo on ½-inch tape with a third, center channel for SMPTE time code or other cueing data; gapless punch-in/punch-out; spot erase; microprocessor-controlled transport; XLR balanced inputs/outputs and phono inputs/outputs $3,995

E-2 Open-Reel Deck
3-channel stereo master recorder/reproducer open-reel tape deck. Features standard ½-track stereo on ¼-inch tape with a third, center channel for SMPTE time code or other cueing data; gapless punch-in/punch-out; spot erase; microprocessor-controlled transport; XLR balanced inputs/outputs ... $3,750

M-20 Open-Reel Deck
2-track recorder/reproducer open-reel deck. Features standard ½-track stereo format; 15 ips; ¼-inch tap. 7-inch reels. FR 40-20,000 Hz $1,500

REVOX

B77 MKII Stereo Tape Recorder
Stereo open-reel tape recorder with 3 motors features two speeds (3.75 ips and 7.5 ips); 10.5″ reel capacity; front-panel vari-speed control ±10%; integrated-drive-logic computer-type push-point function keys; built-in tape cutter; dual VU meters with peak level indicators; separate left/right record and input level controls; tape monitor switch; provision for remote control of all functions and electric timer operation; connectors for remote control of tape transport functions, remote control of variable tape speed, and slide projector or crossfade unit. W&F less than ±0.1% at 3.75 ips, less than 0.08% at 7.5 ips; FR +2/−3 dB 30-16,000 Hz at 3.75 ips, 30-20,000 Hz at 7.5 ips; S/N <64 dB at 3.75 ips, <67 dB at 7.5 ips; mic input level/imp 0.15 mV/2.2 kilohms (low position, 50-to-600-ohm mikes), 2.8 mV/110 kilohms (high, 20 kilohm mikes). Also available in high-speed, low-speed, super-low-speed, two- and four-track versions. 16.3 x 17.8 x 8.14 in; 37.5 lb $2,450



High Fidelity Meets High Style

Music is an art that meets its match in the JAMO ART© loudspeaker. For hi-fi that makes its statement in sight as well as sound, hang it up: JAMO ART. Audio from Denmark.

Jamo HI-FI

JAMO Hi-Fi, USA, Inc. 425 Huehl Rd., Bldg. 3A Northbrook, IL 60062
312-498-4648

CIRCLE NO. 75 ON READER SERVICE CARD

TEAC

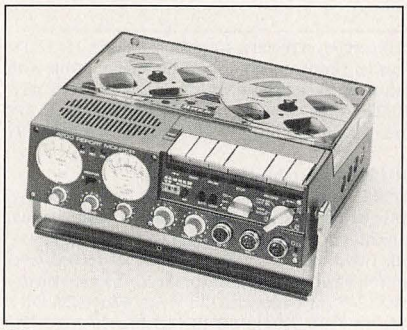
X-2000M dbx Open-Reel Mastering Deck
2-track 3-head open-reel tape deck with dbx 1 features pitch control; EE tape capability; full logic feather-touch controls; tape/source monitoring; fine bias adjustment; real-time counter; mic/line mixing; mic attenuator; separate L/R input-level controls; direct-drive motor; accepts 10.5″ reels; rec mute; timer function. Remote control optional. Tape speeds 15/7.5 ips; wow and flutter 0.02/0.03 wrms at 15/7.5 ips; S/N 100 dbx in. 46 lb; 17.9 x 17 x 10.5 in $2,235

UHER

1200 Report Monitor Open-Reel Deck
Synchro full-track tape deck with neo pilot. Features 4 heads; ALC on/off switch; switchable roll-off filter; built-in monitor speaker; optional beep generator; pilot frequency device for picture-sync recording. Tape speed 7.5 ips; FR 40-16,000 Hz ±3 dB; W&F 0.15% wrms; S/N 62 dB; mike input sens 0.2-15 mV; line input sens 40 mV; output level 775 mV. 3.8 kg; 28.5 x 10 x 23.5 in $5,049

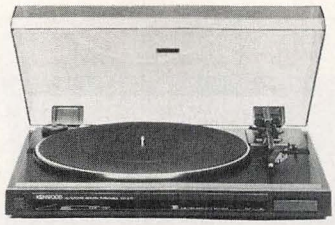
6000 Report Universal Tape Recorder
4-speed (3.75, 1.88, 0.94, 0.47 ips) tape recorder. Records up to 24 hours on 1 tape. Designed for monitoring, court reporting, surveillance. Features 5″ reel capacity; built-in DNR; switchable auto level control; electronic tape tension control; 4 motors; switchable loudspeaker; tape counter; A/V input jack. 11 x 3.5 x 9 in; 8 lbs $1,729

Report Monitor Series Tape Recorders
Report Monitor series decks feature 3 heads, LED function indicators, integrated power supply, fully electronic amp switching, battery or AC operation, tape-tension regulators, die-cast aluminum casings. All models can be used in portable or stationary applications. Speeds 7.5, 3.75, 1.88, 0.94 ips.
4400 Report Monitor. 4-track stereo $1,779
4200 Report Monitor. 2-track stereo $1,779



4000 Report Monitor AV. Half-track monaural $1,665

Accessories
F-423 Diapilot. Self-contained unit for synchronized tape control operation of automatic slide projector for use with Uher open-reel and cassette decks. DIN plug connector $260
F413 Acoustic Stop/Start Switch. Acoustic activated start/stop switch. Designed for use with Uher tape decks $139
Z-125A Power Supply. Power supply and charger for Uher Monitor series decks $130



ACOUSTIC RESEARCH

ES-1 Manual Turntable
Manual belt-drive turntable with 24-pole synchronous motor. Features 33 and 45 rpm speeds. W&F 0.04% wrms; rumble -78 dB; effective tonearm mass without cartridge 14.5 g; effective tonearm length 229 mm; max tracking error 2.6x. 7 x 18.19 x 15.25-in (dustcover down); 18 lb. Natural cherry, with tonearm $725
Natural cherry, without tonearm $550

EB-101 Manual Turntable
Manual belt-drive pivoted-arm turntable with fully isolated 3-point suspension. Arm and platter on subchassis formed by pressed-steel T-bar spring-suspended and damped at 3 points. 33.33 and 45 rpm. Features 12-pole synchronous motor (500 rpm at 50 Hz, 600 rpm at 60 Hz); 3.9-lb platter; detachable carbon-fiber headshell with clamping screw on arm; base finished in oiled walnut veneer. W&F 0.05% DIN; rumble -72 dB DIN; effective tonearm mass without cartridge 12 g; cartridge weight range 3-9 g; effective tonearm length 229 mm; overhang 16 mm; vertical and horizontal friction <100 mg; 7 x 18.19 x 15.25-in (dustcover down); 13.5 lb $500

ADC

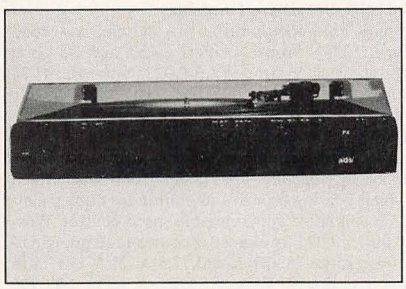
LT 60 Automatic Turntable
Linear-tracking belt-drive P-mount turntable. Features 33.33 and 45 rpm; soft-touch electronic controls; illuminated electronic strobe with pitch control; anti-feedback suspension. 5.0 x 16.5 x 15.5 in; 15.5 lb $150

LT 34 Automatic Turntable
Compact linear-tracking belt-drive P-mount turntable. Features 33.33 and 45 rpm; 2 DC-servo-controlled motors; anti-feedback suspension. 3.5 x 13.25 x 13.75 in; 9.5 lb. $120

RC1 Changer Turntable
Belt-drive turntable stacks up to 4 records. Features 33.33 and 45 rpm; viscous-damped cueing; electronically controlled DC-servo motor; ADC magnetic cartridge included. $110

a/d/s/

Atelier P4 Automatic Turntable
Can be controlled by remote when used with a/d/s/ R4 receiver or CC4 tuner/preamp. With quartz-crystal-controlled direct drive; pivoted arm; ultra-low-mass tonearm; 33.33 and 45 rpm; variable speed control with strobe; holds platter and tonearm on a subchassis that floats on 4 tuned mounts. W&F ±0.025% wrms; rumble -75 dB DIN B, 53 dB DIN A; effective tonearm length 8.69"; max tracking error 2.2°; 4.53 x 17.5 x 14.25-in (dustcover down); 11 lb $700



RC1 Unified Remote Control
Infrared wireless remote controls P4, R4 receiver, CD3 CD player, and other a/d/s/ components $150

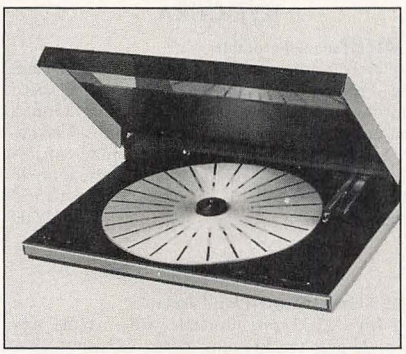
AKAI

AP-A305C-B Belt-Drive Turntable
Semi-auto operation; DC-servo motor; belt-drive system; T4P type plug-in cartridge; front panel operation control $99

BANG & OLUFSEN

Beogram 5500 Automatic Turntable
Automatic turntable with short tangential tonearm features both standard playing speeds of 33.33 and 45 rpm; silver and black; remote controlled by B&O Master Control Panel; repeats play up to 7 times; leaf-spring suspension; compatible with B&O micro-cross cartridges; auto record-size sensing; auto interior light. W&F 0.06% DIN, 0.03% wrms; DIN-weighted rumble −80 dB; 12.5 x 3 x 12.75 in; 11.6 lb .. $499

Beogram 9000 Turntable
Tangential tracking tonearm features both standard playing speeds of 33.33 and 45 rpm; Optimum Pivot Point tonearm suspension; 3-point leaf spring and

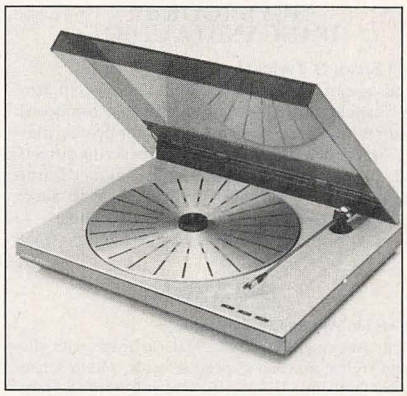


pendulum suspension system; integrated low-mass tonearm/cartridge combination; accepts all MMC 1-5 cartridges; servo-controlled DC motor; W&F less than 0.03% wrms. 16.5 x 3 x 12.75 in; 11.7 lb $450

Beogram 3300 Belt-Drive Turntable
Belt-drive tangential tonearm features standard playing speeds of 33.33 and 45 rpm; remote control with Terminal 3300 remote, Master Control Link, or Datalink system; black plexiglass and brushed aluminm; can be wall mount-ed with optional shelves; repeat; interior light; auto pause at end of tape, and cassette deck pauses at end of LP; leaf-spring-suspended subchassis; neoprene belt; electro-nic speed control; 16.5 x 3 x 12.75 inches; 11.7 pounds $439

Beogram TX-2 Automatic Turntable
Tangential-tracking automatic turntable with belt-drive features both standard playings speeds of 33.33 and 45 rpm; fixed headshell. Recommended tracking force 1-1.5 g; Wow and flutter 0.03% DIN; rumble −80 dB; 16.5 x 3 x 12.75 in; 11.6 lb. $352

Beogram RX-2 Automatic Turntable
Belt-drive turntable with pendulum-suspended chas-



sis and straight pivoting tonearm; 33 and 45 rpm; fixed headshell. Recommended tracking force 1-1.5 g; W&F 0.035% DIN; rumble −75 dB; 16.5 x 2.5 x 17.9 in; 13.2 lb $249

DENON

All arm and auto functions of Denon turntables are noncontact, microprocessor controlled.

DP-59L Direct-Drive Turntable
Features massive wood base with isolation; 5.5-lb platter with high-torque direct-drive AC motor. Lift only $695
DP-47F Direct-Drive Turntable
Features dynamic servo tracer; flat-twin direct drive; full auto plus locate function; thick wood base $450
DP-35B Automatic Turntable
Features dynamic servo tracer; flat-twin direct drive; high-density compound base. Black $325
DP-23F Turntable
Full-size automatic turnable with dynamic servo tracer. Black $275
DP-7F Turntable
P-mount automatic turntable with dynamic servo tracer. Black $200

DUAL BY ORTOFON

CS 7000 Semiautomatic Turntable
Belt-drive turntable with 24k gold-plated finish. Features Optimum Pivot gyroscopic gimbal tonearm system; carbon fiber headshell; fixed- and variable-VTA tonearm; heavy metal feet; full-floating subchassis; resonance-damped die-cast aluminum platter; auto stop; three standard operating speeds at 33.33, 45, and 78 rpm. Wow and flutter less than 0.025%; signal-to-noise ratio 80 dB. 17.5 x 5.25 x 15.25 inches; 25 pounds. $750

CS5000 Semiautomatic Turntable
Belt-drive turntable with hall-effect motor and 4-point full-floating suspension system. Features quartz-monitored 3-speed electronic control; optimum-pivot tonearm design; acoutic mat; 33.33, 45, and 78 rpm. W&F 0.015% $500

CS505-3 Semiautomatic Turntable
Belt-drive, heavy-mass platter and acoustic mat. Features floating chassis design; variable-pitch; carbon fiber headshell on ULM tonearm. Walnut or black wood base..... $350

CS503-1 Semiautomatic Turntable
Belt drive turntable features solid block shock-absorbing chassis with damping feet; heavily damped platter; ULM tonearm; carbon fiber headshell. 33/45 rpm, W&F <0.07%/0.04%; rumble, unwtd. 17.3 x 4.5 x 14.3 in. Black base $250

CS2215GM Fully Automatic Turntable
Belt drive featuring die-cast aluminum platter with vario-pitch; shock absorber chassis; ULM tonearm with detachable headshell. Black base $300

HEYBROOK BY D'ASCANIO AUDIO

TT-2 Series II Turntable
Hand-assembled belt-drive 33.33- and 45-rpm armless manual turntable with removable armboard. Features low-speed synchronous motor driving massive 2-piece platter; adjustable 3-point spring-suspension subchassis of cast aluminum; laminated armboard; massive wood base. Finished in real walnut or gloss black. W&F <0.1% DIN peak wtd; rumble −73 dB wtd DIN-B. 6.25 x 17.5 x 14.25 in; 26 lb .. $650

HITACHI

HTMD46 Automatic Turntable
Linear tracking; belt drive; MM cartridge with diamond stylus; auto size/speed selector; photo sensor return; feather-touch IC-logic control; muting; front-panel operation; die-cast aluminum-alloy platter; remote controlled through Hitachi HTA50AV or HPT120AV. Wow and flutter 0.045% weighted root mean square; signal-to-noise ratio 70 dB DIN-B$180

JVC

ALFQ555BK Direct-Drive Turntable
Features coreless DC-servo direct-drive motor; fully-automatic operation with automatic record size and speed selector; low-mass straight tonearm; high-stablility cabinet support system; large insulators; arm cueing control; double-servo quartz control; illuminated strobe on platter perimeter; plug-in cartridge connector..... $240

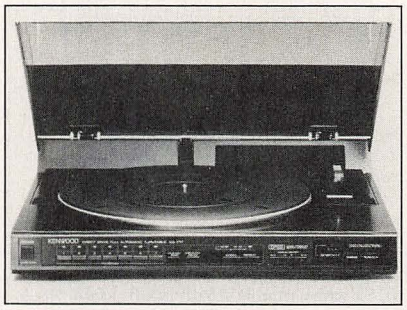
ALF353BK Automatic Turntable
Automatic turntable features automatic record size and speed selector; DC-servo motor; arm cueing control; plug-in cartridge connector system; low-mass straight tone-arm..... $175

ALA151BK Semiautomatic Turntable
Features automatic arm return; DC-servo motor; arm cueing control; low-mass straight tonearm; plug-in cartridge connector..... $100

KENWOOD

KD-67F Direct-Drive Turntable
Features fully automatic mechanism; T-4P cartridge compatible tonearm; system remote controllable; auto function; linear tracking; coreless and slotless FG servo motor; 2 speeds; wow and flutter less than 0.025%; fre-quency response 20-20,000 Hz. 4.31 x 16.56 x 14.13 inches; 10.4 pounds $209

KD-77FC Direct-Drive Turntable
Features linear tracking; 7-song random access programming; auto-disc size & speed selection; fully automatic mechanism; dual magnet type cartridge included; system remote controllable; auto function; coreless and slotless FG servo motor; 2 speeds; wow and flutter less than 0.025%; frequency response 20-20,000 Hz. 4.06 x 16.56 x 15.13 inches; 12.6 pounds $249



KD-47F Belt-Drive Turntable
Belt-drive turntable with fully-automatic mechanism. Features system remote controllable ability; T-4P cartridge compatible tonearm; FG servo motor; 2 speeds; Wow and flutter 0.05%; 4.31 x 16.56 x 13.5 inches; 7.5 pounds $119



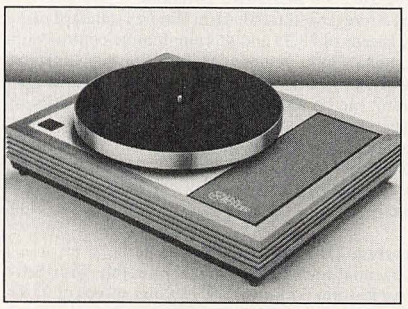
KD-37R Belt-Drive Turntable
Belt-drive turntable with auto return mechanism. Features T-4P cartridge compatible tonearm; DC servo motor; 2 different playing speeds; W&F 0.05%; frequency response 20-20,000 Hz; 3.94 x 16.56 x 13.06 in; 8.2 lb $79

KYOCERA

PL-910 Manual Turntable
Armless belt-drive turntable with ceramic platter and base. Features 33.33 and 45 rpm; variable speed control with strobe; cutless-core power transformer; dual suspension; heavy-duty DC-servo brushless motor; 11-lb platter assembly. Wow and flutter 0.025% weighted root mean square; signal-to-noise ratio 78 dB DIN-B; accepts 9″-10″ tonearms. 18 x 7.5 x 15.25 inches; 44 pounds..... $2,000

LINN PRODUCTS

LP12 Manual Single-Play Turntable
Belt-drive 33.33-rpm turntable with manual tonearm; 24-pole synchronous motor; 12″ zinc-aluminum alloy die-cast platter with felt mat; 1-point oil-bath bearing; hardened tool-steel spindle; adjustable 3-point spring-suspension subchassis; heavy-gauge stainless-steel base plate; solid hardwood base; optional 45-rpm adapter. rumble -60 dB unwtd; speed accuracy ±0.04%; 5.5 x 17.5 x 14 in..... $1,165



Axis Manual Turntable
With Class A amplifier; belt-drive; pivoted arm. Plays 33.33-rpm LP's and 45-rpm singles. Speed



accuracy 0.1%; W&F 0.05%; rumble -75 dB DIN; effective tonearm length 284 mm; 16 lbs..... $740

LUXMAN

P-102 Belt-Drive Turntable
Automatic linear-tracking turntable with strobe, variable speed control, floating tonearm/platter suspension, cueing lever, repeat play, manual play. P-mount compatible. Remote capable. W&F 0.04% wrms; rumble 70 dB; effective tonearm length 133 mm; max tracking error 0.1°. 16.36 x 4.5 x 14.06 in (dustcover down); 11.61 lb $450

MARANTZ

TT-451 Linear-Tracking Turntable
Automatic linear-tracking turntable. Features auto-speed/-size selector; P-mount compatible; 33.33 and 45 rpm; W&F 0.05% wrms; rumble -70 dB. 3.75 x 16.36 x 13.56; 9.5 lb..... $230

TT-185CTBL Belt-Drive Turntable
Belt drive turntable features semiautomatic DC-servo motor; damped cueing; P-mount cartridge; straight low-mass tonearm; front panel controls. 3.87 x 16.5 x 13.5 in; 9.5 lb 139

TT-170CTBL Semiautomatic Turntable
Belt drive turntable features front panel cueing; P-mount cartridge; 33.33/45 rpm; W&F 0.08% wrms; rumble -55 dB. 4.63 x 16.5 x 13.25 in; 9.5 lb.. $100

MICRO SEIKI BY ANALOG EXCELLENCE

SZ-1T Manual Turntable
Massive zinc-alloy turntable system with vacuum hold-down; belt drive; 33.33 and 45 rpm; variable speed control; strobe; outboard air-bearing motor with high-inertia flywheel spindle; 44-lb bronze platter. W&F 0.025% wrms; S/N 90 dB A-wtd. 12 x 5 x 18-in (dustcover down); 240 lbs $14,000
SZ-1TSS. Same as above with 48-lb steel platter, 2 tonearms, and isolation base. 260 lbs..... $20,000

SX-111FV Belt-Drive Turntable
Vacuum hold-down; air-bearing system; rosewood cabinet; 22-lb bronze platter; 33.33 and 45 rpm; variable speed control. W&F 0.0225% wrms; S/N 78 dB A-wtd; 532 cm w x 400 d x 230 h $3,995

SX-555FVW Manual Turntable
Belt-drive turntable with patented quadraplex isolation feet and vacuum hold-down; rosewood cabinet; 17-lb air-bearing bronze and aluminum duplex platter; 33.33 and 45 rpm; variable speed control. Wow and flutter 0.025% weighted root mean square; signal-to-noise ratio 78 dB A-wtd. 7.5 x 21.5 x 17.5-in (dustcover down); 47 lbs $2,995

RX-1500VG Thread-Drive Turntable
20-lb bronze platter turntable with light-force vacuum record hold-down; 33.33 and 45 rpm; variable speed control; nonresonant zinc alloy frame and outboard motor; 4-lb sealed oil-bath center spindle. W&F 0.025% wrms; S/N 85 dB A-wtd. 26 x 6.5 x 16 in; 100 lbs. $2,995
RX-1500FVG. Air-bearing version of above. 120 lbs $3,995

BL-99V Manual Turntable
Belt-drive turntable with light-force vacuum hold-down; walnut finished cabinet; 33.33 and 45 rpm; variable speed control; 7-lb aluminum platter; 4-lb tonearm base drilled to individuals' specifications. W&F 0.025% wrms; S/N 78 dB A-wtd. 7.5 x 21.5 x 17.5-in (dustcover down); 35 lbs. $1,895
BL-99VW. As above but with SAEC WE-407 tonearm $2,295

RX-1500 Basic Turntable
Belt-drive nonresonant zinc-alloy turntable with ability to mount 2 tonearms simultaneously. Features 33.33 and 45 rpm; variable speed control; aluminum platter. W&F 0.025 wrms; S/N 78 dB A-wtd. 6 x 19 x 13-in; 40 lbs $1,495

NIKKO AUDIO

P-5 Semiautomatic Turntable
Direct-drive semiautomatic turntable with 20-pole, 30-slot brushless DC 3-phase motor. Features die-cast aluminum platter; straight-line tonearm; ±3% pitch control. W&F 0.085% wrms; rumble 38 dB weighted. $220

P-3 Semiautomatic Turntable
Semiautomatic full-size belt-drive turntable with P-mount tonearm, repeat key, and manual damped cueing. W&F 0.045%. $110

ONKYO

CP-1057FB Integra Automatic Turntable
Computer-controlled quartz-PLL direct-drive turntable. Features pivoted arm; strobe; 33.33 and 45 rpm; triple-stage isolation; floating subchassis on 3-point suspension; gimbal-support tonearm bearings; computer-controlled tonearm functions; separate motor for tonearm; 2-speed search; straight low-mass tonearm; Polysorb vibration absorbing compound for record mat and cabinet feet; gold-lacquered platter; gold-anodized tonearm; opto-electronic record-end detector; black finish. Remote control optional. Wow and flutter 0.023% weighted root mean square; rumble <80 dB; effective tonearm length 226 mm; max tracking error +3°, −1°. 17.44 x 6.25 x 16.12 in; 20 lb $360

CP-1046FB Automatic Turntable
Computer-controlled direct-drive pivoted-arm turntable. Features PLL; quartz-lock; 33.33 and 45 rpm; 2-color quartz-lock indicator; triple-stage isolation system with floating subchassiss; 3-point subchassis suspension; computer-controlled motor-assisted tonearm; opto-electronic record-end detector; straight low-mass tonearm; gimbal-precision tonearm bearings; 2-speed search; black finish. Remote control optional. W&F 0.025% wrms; rumble <75 dB; effective tonearm length 224 mm; max tracking error +3°, −1.5°. 16.5 x 5.06 x 14.75 in (dustcover down); 13 lb $240

CP-1036A Semiautomatic Turntable
Direct-drive pivoted-arm turntable. Features PLL; quartz-lock 33.33 and 45 rpm; triple-stage isolation with floating subchassis; front-panel controls; straight-line low-mass tonearm; gimbal-support precision tonearm bearings; black finish with smoked dustcover. W&F 0.025% wrms; rumble <70 dB; effective tonearm length 224mm; max tracking error +3°, −1.5°. 16.5 x 5.06 x 14.75 in (dustcover down); 12 lb $190

CP-116F Semiautomatic Turntable
Belt-drive truntable with auto-return and -reset controls. Features front-panel controls; straight-line low-mass tonearm; damped cueing. W&F 0.045% wrms; rumble <70 dB; effective tonearm length 210 mm; max tracking error +4.5°, −1°. 16.5 x 5.06 x 14.75 in (dustcover down). $120

ORACLE AUDIO

Premiere Mark III Manual Turntable
Belt-drive turntable without tonearm. Remote control power drive module, 33.33 and 45 RPM; variable-speed control; strobe; hi-torque DC motor; adjustable spring-suspension system; record-coupling system; tonearm cartridge protractor, strobe disc included. 20 x 6.5 x 15 in; 42 lb $2,350
Gold Plated. Premiere Mark III aluminum and 24k gold plating. $2,950

Delphi MK III Manual Turntable
Belt-drive turntable without tonearm. Features 33.33 and 45 rpm; hi-torque DC motor; adjustable spring-suspension system; record-coupling system; tonearm/cartridge protractor and strobe disc included. 19 x 6 x 14 in; 35 lb $1,395
Dephi Aluminum. Aluminum/24k gold plating $1,995
Delphi Black. 24k gold plating $2,295

Alexandria Mark III Manual Turntable
Belt-drive turntable without tonearm. Features 33.33 and 45 rpm; hi-torque DC motor; adjustable spring-suspension system; record-coupling system. 20 x 6 x 15 in; depending on finish. ..... $850 to 1,050

PARASOUND

T/FS-880 Semiautomatic Turntable
Belt-drive; floating suspension (motor separate from subchassis); P-mount compatible; die-cast platter; decoupled counterweight. W&F 0.025%; rumble −72 dB; effective tonearm length 222 mm; 17 x 4 x 14.25 in $200

TTb-720 Semiautomatic Turntable
Belt-drive; front-mounted controls; P-mount compatible; 33.33 and 45 rpm; variable speed control; strobe; pivoted straight arm; DC-servo motor; damped spring suspension isolated from bottom of base. W&F 0.05% wrms; rumble −65 dB; effective tonearm mass without cartridge 14 g; effective tonearm length 215 mm; max tracking error 1.6°. 16 x 3.75 x 12.75 in (dustcover down); 10 lb $110

PIONEER

Elite PL-90 Automatic Turntable
Direct-drive turntable with coreless, quartz-PLL DC-servo motor with stable hanging rotor. Features straight tonearm made out of alumina-ceramics; 33⅓ and 45 rpm play speeds; 14 3/16-inch platter. W&F 0.018%. 8.5 x 23.5 x 17 in $950

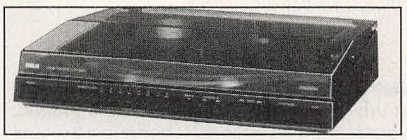
PL-910 Automatic Turntable
Belt-drive turntable with DC servo-motor. Features statically balanced linear tracking tonearm with DRA; 33⅓ and 45 rpm play speeds; integrated IM type cartridge; .6 mm diamond stylus. W&F .06%. 16.5 x 4.1 x 14 in; 6 lb, 3 oz $400

PL-670(BK) Automatic Turntable
Direct-drive turntable with Stable Hanging Rotor. Features dynamic resonance absorber; T4P P-mount cartridge adaptor; Polymer Graphite straight tonearm; auto disc size selector. W&F 0.025%. 4.6 x 16.6 x 14.4 in $175

PL-590 Automatic Turntable
Belt-drive turntable with DC servo-motor. Features statically balanced straight tonearm; 33⅓ and 45 rpm play speeds; MM type cartridge; .6 mm diamond stylus. W&F .06%. 16.5 x 3.75 x 14 in; 6 lb, 3 oz $135

RCA

MTT230 Linear Tracking Turntable
Dimensia turntable with remote-control operation and on-screen status indication when used with Dimensia monitor. Features belt-drive design; P-



mount cartridge; programmable track selection; system record-protection logic; auto size and speed selection; cue muting. S/N 65 dB; W&F less than 0.06%. 14.63 x 3.5 x 14.25 in. $249

REALISTIC

LAB-2200 Direct-Drive Turntable
Automatic linear-tracking turntable with Realistic/Audio-Technica dual-magnet P-mount cartridge, repeat button, straight tonearm, strobe, variable speed control, 33.33 and 45 rpm. W&F 0.065% wrms; rumble 62 dB DIN; effective tonearm length 132 mm $150

LAB 450 Semiautomatic Turntable
With Realistic/Shure MM cartridge; direct drive; neon strobe; straight tonearm; damped cueing; front-panel controls; 33.33 and 45 rpm; adjustable antiskating; rubber mat; 45 adaptor. Rumble −65 dB; W&F <0.05%. $130
LAB-330 Turntable with Phono Preamp
Semiautomatic turntable with switchable stereo preamplifier for compatibility with MM inputs, ceramic phono inputs, or high-level tape or aux inputs. With Realistic/Audio-Technica cartridge; belt drive; neon strobe; pitch control; damped cueing; rubber mat; 45 adaptor; straight tonearm; electronically controlled DC motor; 33.33 and 45 rpm. Rumble −55 dB; W&F <0.1%. $90
LAB-89. Similar to above except auto changer that stacks 4 records $90

REVOLVER BY MUSIC HALL

Revolver Belt-Drive Turntable
Split-plinth turntable with plinth and platter of medium-density fibreboard and self-damping material. AC synchronous motor with 2-speed stepped pulley; ethylene proylene drive belt; 3 molded nonadjustable feet. Includes Precision Instant Grip clamp, starmat, lubricating oil. With Revolver tonearm. Redwood high-gloss finish. $575
Black-ash veneer $525

Revolver Rebel Turntable
Turntable including tonearm and cartridge. Gray metallic finish. $379

REVOX

B291 Linear-Tracking Turntable
Quartz-controlled direct-drive turntable with patented Revox Linatrack system. Features ultra-short linear-tracking tonearm; pitch control regulation of ±9.9% in precise 0.1% steps, with LED display showing the variation; P-mount cartridge adaptor; channel balance; auto start; front-panel-mounted controls; W&F <0.05%. 17.7 x 5.6 x 15.6 in; 20 lb $1,500

SANSUI

P-1000 Auto-Return Turntable
Automatic turntable features low-mass straight tonearm; auto-return operation; precision DC motor; cue operation; remote capability. Signal-to-noise ratio 72 dB; Cartridge frequency response 20-20,000; 0.6 milli-meter diamond stylus; 1.5 x 16.5 x 13.5 inches; 7.7 pounds $145

P-900E Semi-Automatic Turntable
Features belt-drive; low-mass straight tonearm; automatic return and power on/stop; cue; cut; pitch control and stroboscope. No cartridge. Wow and flutter less than 0.1% weighted root mean square; signal-to-noise ratio greater than 72 dB. 3.6 x 16.5 x 13 inches; 8.8 pounds. $90

SCOTT

PS4004 Automatic Turntable
Belt drive; 33.33 and 45 rpm; soft-touch controls; integrated low-mass magnetic cartridge; pitch control with electronic strobe; frequency-governed DC servo motor; insulating feet; LED speed indicators; gold-plated output plugs. W&F 0.06% wrms; rumble <62 dB DIN B; 16.8 x 5 x 14.6 in (dustcover down)$200

PS70B Semi-Automatic Turntable
Features low-mass P-mount tonearm; fully-damped cueing; auto return and shutoff; pitch control with strobe; frequency-governed DC motor; hinged, adjustable dustcover. 4.4 x 16.5 x 13.25 in (dustcover down) $120

PS59C Semi-Automatic Turntable
Semi-automatic belt-drive turntable. Features 33.33 and 45 rpm play speeds; P-mount arm and cartridge; pitch control with electronic strobe; frequency-governed DC servo motor; W&F 0.1% wrms; rumble <55 dB DIN B; 16.8 x 4 x 13.3 in (dustcover down)$110

SHERWOOD

ST-887 Fully Automatic Direct-Drive Turntable
Digi-Link remote compatibility with other Sherwood products. P-mount cartridges; direct read-out stylus pressure indicator; DC servo motor; front-panel access to controls; 33.3/45 rpm variable pitch; illuminated strobe hinged tinted dust cover. . . $180

PF-117OR Fully Automatic Turntable
DC-servo motor direct drive; front-panel operating controls; fully automatic start, stop, return; repeat feature; pitch control with Strobe; maximum tracking error +2.6°, -1°; die-cast alloy platter; 45 rpm center adaptor; 2-speeds; W&F 0.06%; 4.6 x 17.3 x 15.0 in. $179

PM-1270 Turntable
Belt-drive turntable with MTD straight-line tonearm system. Features auto stop; die-cast alloy platter; pitch control with Strobe; cueing control; straight-line tubular static balanced tonearm; maximum tracking error +2.6°, -1°; 2-speeds; W&F 0.08%; 3.0 x 13.0 x 9.0 in $169

ST-875 Semiautomatic Turntable
Belt-drive turntable features push-button cueing; auto reject; auto return; DC-servo motor; pivoted arm; P-mount compatible; 33.33 and 45 rpm. W&F 0.08% wrms; max tracking error +2.6°, -1°. 4.88 x 17.36 x 14.25; 11 lb $100

SONOGRAPHE BY CONRAD-JOHNSON

SG-3 Manual Turntable
Belt-drive turntable without tonearm. Tuned suspension, resonance-free polymer platter. W&F <0.02% wrms; rumble -65 dB; 6.75 x 18.25 x 14.5-in. (dustcover down); 23 lbs $449

SONY

PS-FL7II Automatic Turntable
Front-loading linear-tracking automatic turntable. Features direct drive, PLL, quartz-lock, P-mount compatible; 33.33 and 45 rpm; remote control capability. 17 x 3.88 x 15.12 in; 16 lb. $350

PS-LX520 Automatic Turntable
Fully automatic linear-tracking turntable. Features direct drive, PLL, quartz-lock, P-mount compatible, 33.33 and 45 rpm; gel-filled feet; remote control capable. W&F 0.035%; S/N 75 dB; effective tonearm length 3 inches; max tracking error ±0.1x. 17 x 3.62 x 14.36 in; 11 lb. $270

PS-LX430 Automatic Turntable
Belt-drive P-mount turntable with pivoted arm. Features 33.33 and 45 rpm, cueing lever, anti-resonance base, disc size selector, remote control capability. W&F 0.046%; rumble 70 dB. 17 x 4.5 x 14 in (dustcover down); 9 lb. $180

SOTA INDUSTRIES

Cosmos Turntable System
Belt-drive turntable. Features inverted Sapphire bearing; massive 12 lb platter on 22 lb subassembly; 4 point corner weights and matching 4 spring design; regulated DC-drive, fully damped, fully isolated motor; vacuum hold-down; vinyl-format Vinyl-Mimic; rigid arm support; one-piece-design platter block; motor hard-mounted to subassembly. Comes with vacuum, reflex clamp, electronic flywheel, and deluxe tone arm board. W&F 0.03 wrms; rumble −88.2 dB; speed accuracy ±.02%; speed adjustment 5%. 20.25 x 16.5 x 7.5 in. Grey corian with wood inlay $3,500
High-gloss black $4,000

Star Sapphire Turntable
Manual 2-speed belt-drive turntable with variable speed control and strobe. Features vacuum hold-down; heavyweight (22 lb) sub-assembly for maximum isolation; exclusive inverted bearing with sapphire disc; single piece (11 lb) platter, rim drive; vacuum hold-down system: low-level pressure, continuous through play, adjustable vacuum. Includes acrylic vacuum supermat. All-wood top and speed control panel; heavy-duty dust cover, oak finish W&F 0.03 wrms; rumble −88.2 dB; speed accuracy ±.02%; speed adjustment 5%. 20.25 x 16.5 x 7.5 in; 44 lb; oak finish $1,600
African rosewood, Koa, Walnut $1,750
Ebony, Brazilian rosewood, Cocobola rosewood $1,900
Black satin finish $2,000

Deluxe Sapphire Turntable
Features inverted Sapphire bearing; massive 12 lb platter on 22 lb subassembly; 4 point corner weights and matching 4 spring design; regulated DC-drive, fully damped, fully isolated motor. W&F 0.03 wrms; rumble −88.2 dB; speed accuracy ±.02%; speed adjustment 5%. 20.25 x 16.5 x 7.5 in. Oak finish $1,195
African rosewood $1,295

Options
Vacuum Conversion Kit. For Sapphire model: same vacuum system, same features as on Star available as an upgrade for any Sapphire made. May be installed at factory on new Sapphire $695
Electronic Flywheel. A/C line conditioner for the Sapphire and Star turntables only. Isolates and regulates motor/drive from all outside interference (voltage shifts, EMI, RFI, hash) $300
Vacuum Acrylic Supermat. For Stars or vacuum Sapphires. Designed for optimal coupling, matched impedance, extreme damping $150
Reflex Clamp. Couples record to platter (in conjunction with Supermat) with reflex action. One part grabs spindle while the second motion presses record against mat. Simple level action; aluminum casting; decoupled from record with foam. $95
Aluminum Arm Board. For SME, ET-2, Linn, The Arm, Premier FT-3, MMT, and MMT-VTA turntables $75

TECHNICS

SL-M3 Automatic Direct-Drive Turntable
Features 33.33- and 45-rpm; quartz lock PLL; P-mount; variable speed; strobe. W&F 0.008% wrms; rumble −82 dB; effective tonearm length 238 mm; max tracking error within ±0.05%; 20.09 x 8.06 x 16.09 in (dustcover down); 33.1 lb $685

SL-1200MKII Direct-Drive Disco Turntable
Quartz-controlled 33.33- and 45-rpm manual turntable. Features ±8% quartz-locked pitch control; quick start and stop; pop-up stylus light; gimbal-suspended tonearm with height adjustment; brushless DC motor; aluminum die-cast cabinet; anti-resonant viscoelastic main base. W&F 0.025% $570

SL-M2 Manual Direct-Drive Turntable
Quartz-locked P-mount turntable; 33.33 and 45 rpm, variable speed control with optical sensor for end-of-record pickup. W&F 0.008% wrms; rumble −82 dB; effective tonearm length 230 mm; max tracking error ±2.32x; 17.8 x 6.7 x 16.2; 26.5 lb. $520

SL-MA1 Automatic Direct-Drive Turntable
Features PLL quartz lock; P-mount; 33.33 and 45 rpm. W&F 0.012% wrms; rumble −80 dB; effective tonearm length 230 mm; max tracking error +0x 32' at inner groove and +2x32' at outer groove; 17.22 x 6.69 x 16.06 (dustcover down); 19.8 lb. $460

SL-J33 Programmable PLL Turntable
Direct-drive automatic P-mount turntable allows up to 8 tracks to be played in any order. Indicates number of tracks on album side and which track is playing. Remote controlled through some Technics receivers. Features linear tracking; quartz lock; 33.33 and 45 rpm; front-panel feather-touch controls; cueing; auto stylus muting. W&F 0.012%; rumble −78 dB; effective tonearm length 105 mm; max tracking error ±0.1x. 12.25 x 4 x 12.25 in (dustcover down); 9 lb $270

SL-L20 Automatic Linear-Tracking Turntable
Belt-drive P-mount turntable can be operated by remote control through some Technics receivers. Front-panel soft-touch controls; cueing; 2-speed search; auto disc-size/speed detection to prevent tonearm from lowering on empty mat; 33.33 and 45 rpm. W&F 0.045% wrms; rumble −70 dB; effective tonearm length 105 mm; max tracking error ±0.1x. 17 x 3.74 x 13.75 in; 8 lb $205

SL-QD33 Automatic Direct-Drive Turntable
Can be operated by remote control through some Technics receivers. P-mount; 2 motors to avoid mechanical linkages between tonearm and platter-drive motor; end-of-disc detection; electronic feather-touch front-panel controls; ultra-low-speed brushless DC motor for platter drive; 33.33 and 45 rpm; pivoting arm; quartz lock; strobe. W&F 0.012% wrms; rumble −78 dB; effective tonearm mass 7.5 g, length 230 mm; max tracking error ±2x. 17 x 4.5 w 14.75 in (dustcover down); 10 lb $210

SL-QD22 Semi-Automatic P-Mount Turntable
Direct-drive turntable with 2 motors to avoid mechanical linkages between tonearm and platter-drive motor; end-of-disc detection; ultra-low-speed DC brushless motor; pivoting arm; PLL quartz lock; strobe; 33.33 and 45 rpm; front-panel electronic feather-touch controls. W&F 0.012% wrms; rumble −78 dB; effective tonearm mass 7.5 g, length 230 mm; max tracking error ±2x. 17 x 4.5 x 14.75 in (dustcover down); 10 lb $195

SL-BD22 Semi-Automatic P-Mount Turntable
Belt-drive turntable with aluminum die-cast full-gimbal pivot with highly rigid lightweight aluminum tonearm. Features front-panel cueing control; TNRC vibration-isolation base; pivoted arm; 33.33 and 45 rpm. W&F 0.45% wrms; rumble −70 dB DIN B; 17 x 4.5 x 14.75 in (dustcover down); 8 lb $135

SL-BD1 Manual P-Mount Turntable
Belt-drive turntable with variable speed control; strobe; 33.33 and 45 rpm. W&F 0.045% wrms; rumble

−70 dB; effective tonearm mass without cartridge 7.5 g, length 230 mm; max tracking error +0x 32' at inner groove and +2x 32' at outer groove; 16.94 x 3.94 x 14.75 in; 7.1 lb. $130

SH-100 Plug-In Headshell
Aluminum die-cast universal plug-in headshell with calibrated overhang cursor and gold-plated contacts for Technics tonearms $16

Turntables Without Tonearms

SP-10MK3 33/45/78-rpm Turntable
Quartz-synthesizer direct-drive turntable with high torque for full speed in 30x of rotation; electronic, mechanical braking for speed change in 0.3 sec; high-precision integral rotor-platter quartz motor; quartz-locked pitch control (0.1% steps to ±9.9% all speeds). Separate power supply in remote-control unit with numeric LED speed, pitch displays; soft-touch switches (start/stop duplicated on turntable). W&F 0.015% wrms ±0.001%; 14.22 x 14.22 x 4.44 in; turntable weight 40 lb; power supply/control unit 13.2 lb$2,840
SH-10B5. Optional turntable base $1,230

SP-10MK2A 33/45/78-rpm Turntable
Quartz-synthesizer direct-drive turntable with high torque for full speed in 25x of rotation; electronic, mechanical braking for speed change in 0.3 sec; separate power supply, remote-control unit. W&F 0.025% wrms ±0.035%; rumble −70 dB DIN-B; speed drift within ±0.002%; 14.49 x 14.49 x 4.02 in; 20.9 lb $1,550
SH-10B3. Optional base $950

SP-15 33/45/78-rpm Turntable
Quartz-synthesized direct-drive turntable reaches full speed in 0.4 sec (40x of rotation); stops in 0.4 sec (40x of rotation) at 33.33 rpm; ±9.9% quartz-locked pitch control. W&F 0.025% wrms; rumble 56 dB DIN-A, 78 dB DIN-B $980
SP-25. Similar to SP-15 except no 78-rpm speed, ±6% pitch control $600
SH-15B2. Heavy acoustic rubber base with simulated wood for SP-25 and SP-15 . . . . . $540
SH-15B3. Similar to SH-15B2 except heavy acoustic rubber base only $540

THORENS BY EPI

All Thorens turntables are belt-driven, single-play units having straight tubular tonearms for maximum rigidity; gimbal suspension; antiskate control; 9.12" effective tonearm length; tracking error <0.18°/cm (<0.46°/in.).

TD 520 Semiautomatic Single-Play Turntable
Belt drive with automatic tonearm lift, motor shut-off. 33.33, 45, 78 rpm; electronic speed selection; ±6% pitch control; stroboscope; velocity-sensing auto shut-off trigger; frictionless magnetic antiskating; twin solid-core chassis and 3-point leaf-spring suspension. W&F 0.035%; rumble -72 dB unwtd $1,100
TD 521. Same as above without tonearm . . $1,000

TD 320 Semiautomatic Single-Play Turntable
Belt-drive 33.33 and 45-rpm turntable with solid core chassis; 16-pole synchronous motor; twin solid-core chassis and 3-point leaf-spring suspension; friction-free velocity sensing auto shut-off triggering. W&F 0.35%, rumble -52 dB unwtd, -72 dB wtd; 6.75 x 17.36 x 13.88-in $600
TD 321. Armless version of TD-320 . . . . . $500

TD 318 Semiautomatic Single-Play Turntable
Belt-drive 33.33 and 45 rpm turntable with 16-pole synchronous motor; twin solid-core chassis; 3-point leaf-spring suspension; frictionless velocity-sensing auto shut-off trigger. W&F 0.04%; rumble -50 dB unwtd, -70 dB unwtd; 6 x 17 x 14-in $450
TD 316. Manual turntable similar to TD 318 without auto lift and shut off $350

TD 280 Semiautomatic Single Play Turntable
Belt-drive 33.33/45 rpm with 24-pole synchronous motor. 1-piece solid-core chassis and spring damping elements in feet; frictionless velocity-sensing auto shut-off trigger. W&F 0.045%; rumble -48 dB unwtd, -70 dB wtd; 5.3 x 17 x 14-in $275

TOSHIBA

SR-5638 Automatic Turntable
Automatic, belt-drive features front panel cueing; start; stop; power select; speed select; magnetic cartridge plays 45 and 33.33 rpm $129

YAMAHA

PF-800B Semiautomatic Turntable
Belt-drive pivoted-arm semiautomatic turntable with dynamic balance twin-pipe tonearm. Features two-section zinc plus aluminum platter; operates at both 33.33 and 45 rpm speeds; variable speed control ±6 percent. Wow and flutter 0.023 percent weighted root mean square; rumble 80 dB; effective tonearm length 8.75"; 18.62 x 6.12 x 14.75 in (dust-cover down); 35 lb $599

TT-500U Automatic Turntable
Direct-drive turntable with RS integrated remote system compatibility. Features straight tonearm design; resonance absorbing turntable mat; disc clamper. Black; 15 lb $269

TT-300U Semiautomatic Turntable
Belt-drive semiautomatic turntable with straight tonearm design. Features resonance absorbing turntable mat; EP adaptor. Black; 10 lb $159



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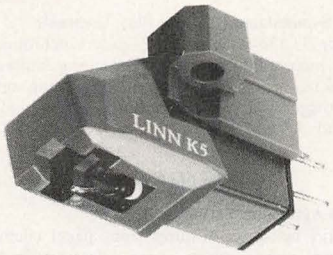
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ADCOM

SXC-van den Hul MC Phono Cartridge
High-output MC cartridge with tubular sapphire cantilever and van den Hul stylus. Features 3.5-micron contact radius; vertical groove extended to 85 microns; aluminum cantilever; crosscoil armature. Output 2.3 mV at 5 cm/s; FR 20-20,000 Hz +3, -0 dB; tracking force 1.8 g; square-wave rise time 7 ms; ch sep 20 dB 200-20,000 Hz; 4.7g $500

XC-MRII Moving-Coil Phono Cartridge
High-output MC cartridge with nude-mounted square-shank stylus. Features thin-walled aluminum cantilever; crosscoil armature. Output 2.3 mV at 5 cm/s; FR 20-20,000 Hz ±1 dB; ch sep 28 dB at 1 kHz; tracking force 1.8 g; effective tip mass 0.35 mg; 0.15 mil x 3.0 mil scanning radius; weight 4.7 g ... $360

XC-LTII Moving-Coil Phono Cartridge
High-output MC cartridge with Line-Trace stylus, thin-wall aluminum cantilever, crosscoil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz ±1 dB; ch sep 28 dB at 1 kHz; tracking force 1.8 g; effective tip mass 0.35 mg; weight 4.7 g $290

HC-vdH II Moving-Coil Phono Cartridge
High-output MC cartridge with van den Hul stylus. Features thin-wall aluminum cantilever; crosscoil armature. Output 2.3 mV at 5 cm/s; FR 20-15,000 Hz +1.5/-1 dB, 20-20,000 Hz +2.5/-1 dB; ch balance within 1.5 dB; tracking force 2 g; effective tip mass 0.35 mg; 4.7g $250
HC-E II. Similar to HC-VDH II except with elliptical stylus $160

AKG ACOUSTICS

P100LE Phono Cartridge
Hand-made cartridge using the patented Transverse-Suspension, Tapered Beryllium Cantilever. Features analog-6 stylus; adjustable vertical tracking angle; 5 year warranty; limited edition. Moving-iron cartridge $1,000
P100LE-vdH. Same as P100LE except stylus is a van den Hull II type $1,000

Super Nova P8ES Phono Cartridge
Moving-iron cartridge with patented transversal suspension system with the new van den Hul II replaceable diamond. Features FR/crosstalk curve; carbon-fiber stylus brush; screwdriver. Output 2.8 mV at 3.54 cm/sec; FR 10-28,000 Hz ±1 dB; sep 30 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 3.5 g. $450

P-25S Phono Cartridge
Variable-reluctance induced-magnet cartridge with patented diamond-technology transverse-suspension system, cylindrical/magnet design. Features FR/crosstalk curve; carbon-fiber stylus brush; screwdriver; antiresonance compound. Output 2.7 mV at 3.54 cm/sec rms; FR 10-28,000 Hz; sep ±1 dB; tracking-force range 0.75-1.25 g; diamond "Analog-Six" stylus mass 0.015 mg; 3.5 g $250

P-15S Phono Cartridge
Variable-reluctance induced-magnet cartridge with patented diamond-technology transverse-suspension system, cylindrical magnet. Features FR/crosstalk curve; carbon-fiber stylus brush; screwdriver, antiresonance compound. Output 3.4 mV rms at 3.54 cm/sec; FR 10-23,000 Hz; sep ±1.5 dB; tracking force 1.0-1.5 g; elliptical diamond stylus; stylus mass 0.018 mg; 3.5 g $175

P10 Studio Phono Cartridge
Designed for broadcast and disco; built-in stylus guard prevents damage during use. Output 5.8 mV at 3.54 cm/sec; FR 20-20,000 Hz ±2 dB; sep 25 dB at 1,000 Hz; tracking force range 2.5-4.5 g; cartridge weight 3.5 g. $130

P-10S Phono Cartridge
Variable-reluctance induced-magnet cartridge with patented transverse suspension, cylindrical magnet. Features carbon-fiber stylus brush; screwdriver; antiresonance compound. Output 5.8 mV rms at 3.54 cm/sec; FR 20-20,000 Hz; sep ±2dB; tracking force 1.25-2.0 g; elliptical diamond stylus; stylus mass 0.25 mg; 3.5 g $125

P-5ED Phono Cartridge
Variable-reluctance induced-magnet cartridge with patented transverse suspension, cylindrical magnet. Features compatibility with automatic turntables, record changers; elliptical diamond stylus. Output 5.8 mV rms at 3.54 cm/sec; FR 20-20,000 Hz; sep ±2 dB; tracking force 1.5-2.O g. $80

P4 Phono Cartridge
Standard .5″-mount cartridge designed for heavy-/medium heavy tonearms. FR 20-20,000 Hz; sep 20 dB at 1,000 Hz; tracking force 1.5 g; cartridge weight 3.5 g. $50
P4DP. As above except standard TP4 mount .. $50

ANDANTE BY SUMIKO

S Phono Cartridge
Micro-mass cartridge with aluminum-alloy tubular cantilever; 0.5-mil polished bonded-diamond spherical stylus; hand-wound coils. Output 5.0 mV; FR 18-27,000 Hz; sep 28 dB at 1 kHz compliance 18 x 10^6 cm/dyme; tracking force 1-2.5 g; input imp 47k ohms; 6 g $49
H. Similar to S except output 10 mV; FR 18-23,000 Hz; sep 27 dB at 1 kHz; compliance 15 x 10^6 cm/dyne $29

HSP MM Phono Cartridge
Output 6 mV at 3.54 cm/sec; FR 18-25,000 Hz; sep 28 dB at 1,000 Hz; cartridge weight 6 g $39

P-76 MM Phono Cartridge
Hand-wound coils; square-shank nude-mount with tapered line-contact diamond stylus. Output 2.5 mV at 3.54 cm/sec; FR 8-45,000 Hz ±3 dB; sep 30 dB at 1,000 Hz; cartridge weight 5.9 g $70

P-38 MM Phono Cartridge
Aluminum cantilever and elliptical diamond stylus $60

AUDIO BY VAN ALSTINE

Longhorn Phono Cartridge
Internally damped and externally stabilized phono cartridge. Features FR 10-60,000 Hz; sep 30 dB; output 4 mV; tracking force 1.5 g $99

AUDIOQUEST

AQ MC-5 Phono Cartridge
High output 2.5 μV moving coil cartridge with line contact stylus; non-resonant polymer body; FR 20-20,000 Hz; aluminum cantilever $295

AQ MC-4 Phono Cartridge
High output 2.5 μV moving coil cartridge with direct phono input features elliptical stylus; compliance 10; non-resonant polymer body; FR 20-20,000 Hz; aluminum cantilever $245

AQ MC-3 Phono Cartridge
Dynamic high output 3 μV moving coil cartridge features non-resonant polymer body; compliance 8; tracks 2 grams; FR 20-20,000 Hz; aluminum cantilever; elliptical stylus $150

AQ M-1 Phono Cartridge
Induced magnetic cartridge features elliptical stylus; compliance 25; FR 20-20,000 Hz; tracks 1.5 grams$95

The following cartridges are available in two output levels, either 1.6 μV or 0.5 μV.
AQ B-200 Phono Cartridge
High output moving coil cartridge features machined aluminum sandwich body; hollow boron cantilever; micro ridge $795

AQ 404i Phono Cartridge
High output moving coil cartridge utilizes 15 micron wire for coils. Features aluminum boday; non-resonant cast metal; hollow-boron cantilever; line contact $495

AZDEN

GM-P5L Phono Cartridge
P-mount MC cartridge with Nude line-contact stylus and boron cantilever. Output 0.2 mV at 5 cm/sec; sep 30 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 5.9 g. $250

YM-P50VL Moving-Magnet Phono Cartridge
MM cartridge with Vital Nude line-contact stylus and tapered aluminum cantilever. Output 4 mV at 5 cm/sec; sep 30 dB at 1,000 Hz; tracking force range 1-1.5 g; cartridge weight 5.9 g. $150

YM-P50E Moving-Magnet Cartridge
Universal mount cartridge with aluminum tube cantilever and 0.3 x 0.7 mil elliptical stylus. tracking force 1.25+; cartridge weight 5.9 g. $90

YM-P20E Moving Magnet Phono Cartridge
Universal mount cartridge with o.3 x 0.7 mil stylus. sep 24 dB; cartridge weight 5.9 g. $70

YM-P50C Moving-Magnet Phono Cartridge
MM cartridge with 0.65 mil conical stylus. Output 4 mV at 5 cm/sec; sep 24 dB at 1,000 Hz; cartridge weight 5.9 g; ch bal 1.5 dB at 1,000 Hz $60

BANG & OLUFSEN

MMC Series Phono Cartridges
All MMC cartridges feature armature mounted perpendicularly to the cantilever; crystal sapphire cantilever; multi-radial diamond; four high-output, low-imp

coils wound on cores of very low permeability aligned in perfect symmetry with the magnet.

MMC-1. Diamond contact line 0.1 x 0.1 mm sqr.; stylus bonding nude; cantilever sapphire tube; recommended tracking force 10 mN/1 gram; FR 20-20,000 Hz ±1 dB; 1.6 g. $490

MMC-2. Diamond contact line 0.12 x 0.12 mm sqr.; stylus bonding nude; cantilever sapphire tube; recommended tracking force 10 mN/1 g; FR 20-20,000 Hz ±1.5 dB; 1.6 g $325

MMC-3. Diamond elliptical 0.15 x 0.15 mm sqr.; stylus bonding nude; cantilever tapered aluminum tube; recommended tracking force 10 mN/1 g; FR 20-20,000 Hz ±2 dB; 1.6 g. $215

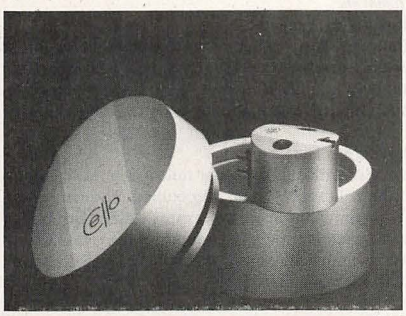
MMC-4. Diamond elliptical 0.20 mm round; stylus bonding titanium; cantilever tapered aluminum tube; recommended tracking force 12 mN/1.2 g; frequency response 20-20,000 Hz ±2.5 dB; 1.6 grams. $125

MMC-5. Diamond elliptical 0.25 mm round; stylus bonding titanium; cantilever tapered aluminum tube; recommended tracking force 15 mN/1.5 g; FR 20-20,000 Hz ±3 dB; 1.6 g $70

CELLO

Chorale MC Cartridge

Aluminum-alloy cantilever; elliptical stylus; weight



13 g $850

CLEAR AUDIO

Phono Cartridges

Goldmund Equipment

Clearaudio Goldmund Gold. MS; standard mounting; individual response curve supplied; hyper elliptical stylus type; frequency response 10-50,000 Hz; sep 35 dB; tracking force 2.0-2.2 g; 5.4 g $1,795

Clearaudio Goldmund. MC; standard mounting; individual response curve supplied; hyper elliptical stylus type; FR 10-50,000 Hz; sep 35 dB; tracking force 2.0-2.2 g; 4.4 g. $995

VPI Equipment

PMC-2. MC; spherical stylus type; individual response curve supplied; FR 10-50,000 Hz ±1.5 dB; sep 40 dB; output 0.6 mV; tracking force 1.6-2.2 g; 10 g. $1,100

PMC-1. MC; spherical stylus type; individual response curve supplied; frequency response 20-50,000 Hz ±1.5 dB; sep 35 dB; output 0.6 g; tracking force 1.8-2.2 g; 6 g $740

Tonearms

Souther Equipment

Triquartz Top I. Linear, changeable wand, cueing tonearm with adjustable vertical tracking angle; 2.0″ pivot-stylus distance; 10″ overall length; 0.5-3.0 tracking force; 1-20 g cartridge weight range; 2-.25″ mounting holes. $850

DENNESEN ELECTROSTATICS

ABLT-1 Tonearm

Air-bearing lateral-tracking tonearm includes air pump. Entire armtube removable; any range desired. Stylus overhang 0 millimeters; overall length and effective length vary (user adjustable); tracking error 0°; 1.5 lb $2,000

DENON

DL-1000 MC Phono Cartridge

Output 0.12 mV at 50 mm/sec; FR 20-110,000 Hz; sep 30 dB at 1,000 Hz; tracking-force range 0.8-0.1 g; cartridge weight 60 g $859

DL-305 MC Phono Cartridge

Features twin radius; baron cantilever. Output 0.2 mV at 50 millimeters/sec; FR 20-75,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.2-0.2 g; cartridge weight 5.8 grams. $559

DL-304 MC Phono Cartridge

Moving-coil phono cartridge features baron cantilever; high compliance $395

DL-302 MC Phono Cartridge

Features high output; detail, charm and depth; baron cantilever. Output 0.25 mV at 50 mm/sec; FR 28-70,000 Hz; separation 28 dB at 1,000 Hz; tracking-force range 1.4-0.2 grams; cartridge weight 6.0 grams. $260

DL-301 MC Phono Cartridge

Output 0.3 mV at 50 mm/sec; FR 20-60,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.4-0.2 g; cartridge weight 4.7 g. $160

DL-160 MC Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-50,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.6-0.3 g; cartridge weight 4.8 g. $115

DL-110 MC Phono Cartridge

Output 1.6 mV at 50 millimeters per second; FR 20-45,000 Hz; separation 25 dB at 1,000 Hz; tracking-force range 1.80-0.30 grams; 4.8 g. $85

DIGITRAC BY ORTOFON

300SE Phono Cartridge

Variable Magnetic Shunt cartridge with aluminum cantilever and nude fine-line diamond stylus. Output 4 mV at 5 cm/sec; FR 20-30,000 Hz; sep 24 dB at 1,000 Hz; high compliance 35 μ/mn; tracking force range 1-1.5 g; cartridge weight 6 g. $200

200NE Phono Cartridge

Variable Magnetic Shunt cartridge with aluminum cantilever and elliptical nude diamond stylus. Output 4 mV at 5 cm/sec; FR 20-25,000 Hz; sep 22 dB at 1,000 Hz; high compliance 30 μm/mN; tracking force range 1.25-1.75 g; cartridge weight 6 g $140

100E Phono Cartridge

Variable Magnetic Shunt cartridge with aluminum cantilever and elliptical diamond stylus. Features dedicated P-Mount with universal application. Output 4 mV at 1,000 5cm/sec; FR 20-20,000 Hz; sep 20 dB at 1,000 Hz; high compliance 24 μm/mN; tracking force range 1.25-1.75 g; cartridge weight 6 g. . . $100

190S Moving-Magnet Cartridge

Variable Magnetic Shunt cartridge with elliptical stylus and universal mount. output 3.5 mV at 5 cm/sec; FR 20-20,000 Hz ±3 dB; sep 20 dB at 1,000 Hz; tracking-force range 1.25-1.75 g; cartridge weight 6 g $60

EMINENT TECHNOLOGY

Model 2 Straight Tonearm

Air-bearing tonearm features straight line-tracking tonearm with adjustable VTA/SRA over an arc while playing record. Airpump included. Adjustable height; interchangable arm tube with preset geometry; decoupled counterweight in horizontal plane; interchangable preset counterweights. Headshell and tonearm manufactured as one piece. Effective mass 5-20 g vertical, 20-30 g horizontal; 400 g $950

ENTRE BY ANALOG EXCELLENCE

MC-9 Sapphire MC Phono Cartridge

Low-mass samarium-cobalt magnet; sapphire cantilever; 0.3-x-0.8 mil stylus. Output 0.25 mV at 5 cm/sec; FR 20-30,000 Hz ±2 dB; sep >26 dB at 1,000 Hz; tracking force 1.6-1.9 g; imp 3 ohms; cartridge weight 5.9 g. $395

MC-5 Boron MC Phono Cartridge

Boron cantilever; high-flux-density samarium-cobalt magnet. Output 0.25 mV at 5 cm/sec; FR 20-30,000 Hz ±3; sep 26 dB at 1,000 Hz; tracking force 1.6-1.9 g; imp 3 ohms. $295

MC-1 Basic MC Phono Cartridge

Double-wound coils; vital nude diamond stylus. Output 0.5 mV at 5 cm/sec; FR 20-30,000 Hz ±3 dB; sep 22 dB at 1,000 Hz; tracking force 1.8-2 g; cartridge weight 5.9 g; imp 3 ohms. $195

EPOCH

Epoch II Series Model HZ9S Cartridge

MM cartridge has output of 0.8 mV. FR 10-25,000 Hz, individually calibrated to 20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking-force .75-1.5 g; cartridge weight 4 g. With Stereohedron II stylus $250

LZ9S Low Impedance Phono Cartridge

Includes Stereohedron II stylus. Output 0.04 mV; FR 10-50,000 Hz, individually calibrated to 20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 0.75-1.5; 3.8 g $250

HZ8S Phono Cartridge

Includes Stereohedron II stylus. Output 0.8 mV; FR 10-20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force .75-1.5; 4 g $190

LZ8S Low Impedance Phono Cartridge

Includes Stereohedron II stylus. Output 0.04 mV; FR 10-20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force .75-1.5; 3.8 g. $190

HZ7S Phono Cartridge

Includes Stereohedron II stylus. Output 0.8 mV; FR 10-20,000 Hz; sep 30 dB at 1,000 Hz, 15 dB at 10,000 Hz; tracking .75-1.25; 4 g. $120

HZ6E Phono Cartridge

Includes elliptical stylus. Output 0.8 mV; FR 10-20,000 Hz; sep 30 dB at 1,000 Hz, 15 dB at 10,000 Hz; tracking force 0.75-1.25; 4 g. $95

GRACE BY SUMIKO

Cartridges

F-9E Ruby Cartridge

Fixed coil cartridge extended range super body with ruby cantilever and Ogura Vital diamond stylus$395

F-9E Classic Cartridge

Advanced design fixed coil cartridge with laminated pole pieces and LC/OFC coils. Features aluminum-/magnesium alloy cantilever; Ogura Vital stylus$250

F-9L Cartridge

Fixed coil cartridge with higher output body; aluminum/magnesium cantilever; trace diamond stylus $225

F-8L Cartridge

Fixed coil cartridge with high output body; aluminum cantilever; luminal trace stylus. $200

Tonearms

G-747 Tonearm

Low mass with removable headshell $200

GRADO

Joseph Grado Signature Series

TLZ Cartridge $500

MCZ Cartridge
Hybrid design with 4 separate magnetic gaps around cantilever; compatible with light- to medium-mass tonearms and standard 47,000-ohm MM inputs; user-replaceable stylus. Output 1.5 mV; resonance 8-12 Hz; torsional resonance approximately 25,000 Hz; resistance 70 ohms; inductance 9 Mh..... $300

8MZ Cartridge
User-replaceable stylus; compatible with standard 47,000-ohm MM inputs; output 3.5 mV; electrical resistance 475 ohms; inductance 45 mH $200

Specifications for all models below: 0.5" mounting centers (or optional P-mount for some); input load 47,000 ohms; inductance 45 millihenries; DC resistance 475 ohms; pickup weight 5 g.

Professional Series
Designed for high output and stability under severe use, for broadcast, in changers, or arms that will not track at 1 g; recommended tracking force 2-3 g. Output 4 mV at 3.54 cm/sec (45x); sep 20 dB 10-20,000 Hz.
ZCE+. Specially selected units from Z production; elliptical diamond stylus $45
ZTE+. Elliptical diamond stylus..... $30

Super Flux-Bridger Series
With 0.5" or P-mount. Recommended tracking force 0.75-2 g. Output 4 mV at 3.54 cm/sec (45x); sep 25 dB 10-30,000 Hz.
Z2+. True Ellipsoid stylus $265
Z1+. True Ellipsoid stylus $180
Z+. Grado diamond stylus..... $130
ZF1+. Grado diamond stylus $110
ZF2+. Elliptical diamond stylus $86
ZF3E+. Elliptical diamond stylus $69

Flux-Bridger Series
0.5" or P-mount; elliptical diamond stylus; Recommended tracking force 1-2 g. Output 4 mV at 3.54 cm/sec (45x); sep 20 dB 10-30,000 Hz.
ZCE+1...... $55
ZTE+1...... $25

Replacement Styli
For standard 0.5 and P-mount cartridges; spherical styli for 78-rpm records $4.00 additional.
Z2+/S. 2 gold dots $110
Z1+/S. 2 yellow dots $75
Z+/S. Brown plate $55
ZF1+/S. 2 blue dots..... $45
ZF2+/S. 2 white dots..... $36
ZF3E+/S. Tan plate..... $33
ZCE+1/S. 2 silver dots $30
ZCE+/S. 2 red dots $28
ZTE+/S. 2 red dots $17
ZTE+1/S. 2 silver dots $21

HEYBROOK BY D'ASCANIO AUDIO

The Heybrook Tonearm
Pivoted-tracking magnesium-tube straight tonearm with adjustable vertical tracking angle and fixed headshell. Statically balanced with fixed headshell and locking counterweight. Tracking-force range 0-3 g; overall length 11.62" $549

HIGHPHONIC BY ANALOG EXCELLENCE

MC-D15 Signature MC Phono Cartridge
High-compliance diamond cantilever; gold-finish alloy body; ultra-line-contact stylus. Output 0.11 mV at 5 cm/sec; FR 10-120,000 Hz ±2 dB; sep 35 dB at 1,000 Hz; tracking-force range 0.6-0.9 g; cartridge weight 6.5 g; left/right chs balanced within 0.001 mV output $1,995

MC-D12 MC Phono Cartridge
Diamond cantilever. Output 2.5 mV $1,250

MC-D10 MC Phono Cartridge
Diamond cantilever. Output 0.13 mV (1,000 Hz, 5 cm/sec); FR 10-80,000 Hz; 6.6 g $1,100

MC-A6 Signature MC Phono Cartridge
Titanium/aluminum alloy cantilever with silicon-carbide whiskers; 0.1 x 1.2 mil ultra-line-contact stylus. Output 0.12 mV at 5 cm/sec; FR 10-85,000 Hz ±2 dB; sep 34 dB at 1,000 Hz; tracking force 0.8-1.2 g; cartridge weight 6.5 g; left/right ch balanced within 0.001 mV output $795

MC-R5 MC Phono Cartridge
Ruby cantilever; ultra-line-contact stylus; nonresonant body. Output 0.12 mV at 5 cm/sec; FR 10-75 Hz ±2 dB; sep 30 dB at 1,000 Hz; tracking force 0.9-1.1 g; cartridge weight 6.5 g; left/right ch balanced within 0.002 mV output $595

MC-A3 MC Phono Cartridge
Ultra-line-contact stylus; aluminum alloy body. Output 0.12 mV at 5 cm/sec; FR 10-70,000 Hz ±2 dB; sep 28 dB at 1,000 Hz; tracking force 1-1.2 g; cartridge weight 6.5 g..... $350
MC-A2E. Same as MC-A3 with elliptical stylus; FR 20-50,000 Hz ±3 dB $250

KISEKI BY SUMIKO

Lapis Lazuli MC Cartridge
Made from lapis lazuli, blue stone with small gold particles; diamond cantilever; stylus, armature, magnet as in Agaat cartridges (see below); tested for about 50 hours with music; made on special order, requiring 2-3 months..... $5,600

Agaat Ruby 4.5 Cartridge
SaCo magnet 3 times as large as ordinary magnets for 35% higher output than Purpleheart or Blue Silver-spot cartridges; 0.3-mm diameter, 4.5-mm long ruby cantilever; line-contact PF stylus 0.14 x 0.6 mil; bottom plate of aluminum/magnesium alloy bonded to body; color varies between white, black, red, green, blue; optimum performance after 15 hours playing, 22x C, humidity 65%. Output around 0.4 mV; ch balance ±0.25 dB; sep ±30 dB; FR 20-50,000 Hz; VTA 20x; imp 42 ohms; tracking force 1.6-2.2 g (2 g optimum); weight 11.2 g $1,250

Purpleheart Sapphire MC Cartridge
Housing of purpleheart wood; 4.5-mm-long sapphire cantilever with 0.3-mm diameter; same pole pieces and stylus as in Agaat Ruby 4.5 (above); Sendust armature; SaCo magnet. Output 0.4 mV (1,000 Hz, 5 cm/sec); ch balance ±0.25 dB; sep ±30 dB; FR 20-50,000 Hz; imp 42 ohms, 120 μhenry; tracking force 2 g optimum; weight 7.5 g $975

Blue-Gold Cartridge
Aluminum body with aluminum alloy and boron overlay cantilever adn elliptical stylus $600

LINN PRODUCTS

Troika Low-Output MC Cartridge
Elliptical stylus; body milled from solid aluminum; 3 mounting screws; flying-lead cartridge tags eliminate 1 connector.FR 20-20,000 Hz ±1 dB; sep >30 dB at 1,000 Hz; tracking force 1.5-1.7 g; ch bal at 1,000 Hz within 1 dB; recommended load 470 ohms; tracking angle 20° $1,575
Replacement stylus $1,050

Karma Low-Output MC Cartridge
Elliptical stylus; body milled from solid aluminum. FR 20-20,000 Hz ±1 dB; sep 30 dB at 1,000 Hz; tracking force 1.5-1.7 grams; cartridge weight 5.7 grams; ch bal within 1 dB at 1,000 Hz; tracking angle 20°..... $1,125
Replacement stylus $750

Asaka Moving-Coil Cartridge
Elliptical stylus; body milled from solid aluminum. Output 0.2 mV; FR 10-50,000 Hz ±3 dB; sep 27 dB at 1,000 Hz; tracking force 1.5-1.9 grams; cartridge weight 5.7 grams; vertical tracking angle 20° .. $725
Replacement stylus $483

K-9 Moving-Magnet Cartridge
Elliptical stylus; aluminum cantilever. FR 20-20,000 Hz ±2 dB; sep 25 dB at 1,000 Hz; tracking force 1.5-1.9 grams; vertical tracking angle 20°..... $275
Replacement stylus $165

K-5 Moving-Magnet Cartridge
Eliptical stylus FR20-20,000 Hz ±2 dB; tracking force 1.7 g..... $150
Replacement stylus $90

Basik Moving-Magnet Cartridge
Spherical stylus. FR 20-20,000 Hz ±2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.8 g; cartridge weight 6 grams..... $75

Tonearms
Ittok LV-II Tonearm
Tonearm with 11.5" overall length, 9" stylus-pivot distance, damped cueing mechanism. Features radial ball bearings. Effective mass 12 g; total cable capacitance 100 pF; cartridge weight rante 3-12 g ... $965

Basik Plus Tonearm
Straight statically balanced tonearm with fixed aluminum headshell and decoupled counterweight. Tracking-force range 0-3 grams calibrated to 0.1 gram; effective mass 11 grams; stylus overhang 18 mm; overall length 284 mm; effective length 230 mm. Includes Basik cartridge..... $295

MADRIGAL

Carnegie Two Moving Coil Reference Cartridge
Open circuit output voltage 0.35 mV at 1,000 Hz at 5 cm/sec features imp 20 ohms; FR range 10-50,000 Hz; perpendicular tracking angle 22 ±2 degrees; cantilever ultra low mass, 0.28 mm diam, solid boron rod; stylus micro min, oriented, square nude diamond 0.12 x 0.12 millimeters; micro-edge line contact 4 x 80 microns; channel balance > 1.0 dB; channel separation > 35 dB at 1,000 Hz; machined aluminum alloy $850

MICRO SEIKI BY ANALOG EXCELLENCE

C-2 High-Output MC Cartridge
Beryllium pipe cantilever; line-contact stylus. Output 2.5 mV at 5 cm/sec; FR 10-30,000 Hz; tracking force 1.8 g ± g; cartridge weight 9.5 g; internal imp 120 ohms; compliance 8 x 10 cm/dyne..... $395

MISSION ELECTRONICS

The Rose Cartridge
MC cartridge made from solid rosewood wired internally with ultra-fine linear crystal. Line-contact stylus; annealed boron cantilever; output 0.2 mV at 5 cm/sec; FR 20-20,000 Hz ±0.5 dB; sep 25 dB at 1,000 Hz; max tracking force 2 g; cartridge weight 6.2 g$599

Solitaire MM Phono Cartridge
Output 3 mV at 5 cm/sec; FR 20-20,000 Hz ±2 dB; sep 28 dB at 1,000 Hz; tracking force 1.8-2 g; cartridge weight 5.7 g..... $99

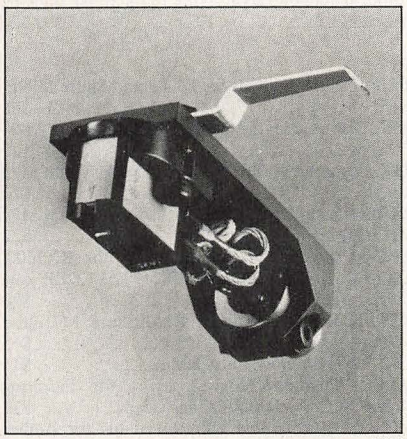
773MM MM Phono Cartridge
Cartridge with 0.3 x 0.8 mil synthetic diamond stylus. output 4 mV at 1,000 Hz, 3 mV 50 mm/sec at 1,000 Hz; sep 28 dB at 1,000 Hz; tracking force 1.5-2.5 g$79

Tonearm

The Mechanic Tonearm
Tonearm cut from single billet of aluminum with minimum number of separate pieces; direct-coupled rigid two-plane symmetric and concentric bearings in ceramic cups; fixed 23x 45' offset angle (adjustable); effective length 228 mm; pivot-spindle 210 mm; overhang 18 mm; effective mass 16 g..... $2,000

MONSTER CABLE

Alpha Genesis 1000 MC Cartridge
Low output; diamond-sputtered cantilever; phase-



corrected coils..... $800
500..... $650

MUSIC HALL

Bullet Cartridge
Highly modified Audio-Technica cartridge with elliptical stylus..... $125

NAGAOKA

MP 50s Phono Cartridge
MM phono cartridge with impact aluminum frame. Nude super elliptical stylus, sapphire pipe cantilever. FR 20-28,000 Hz; output voltage 2.5 mV (5cm/sec) @ 1,000 Hz; ch sep >27 dB @ 1,000 Hz; stylus pressure 1.1-1.5 g; cartridge weight 9 g $330
N50 MP. Replacement styli $200

MP 30 Phono Cartridge
MM phono cartridge with impact aluminum frame. 0.4 x 0.7 mil elliptical stylus; Boron cantilever. FR 20-25,000 Hz; output voltage 3 mV (5 cm/sec) @ 1,000 Hz; ch sep >25 dB @ 1,000 Hz; stylus pressure 1.3-1.8 g; cartridge weight 9 g $220
N30 MP. Replacement styli $125

MP 11 Boron Phono Cartridge
Magnetodynamic phono cartridge with UT58 Boron taper pipe cantilever. 0.4 x 0.7 mil elliptical block diamond stylus. FR 20-23,000 Hz; output voltage 4.0 mV (5 cm/sec) @ 1,000 Hz; ch sep >25 dB @ 1,000 Hz; stylus pressure 1.8-2.3 g; cartridge weight 6.8 g..... $150
N11 MP Boron. Replacement syli $85

MP 11 Gold. Similar to above with A5052 duralmin, tin ion plated cantilever. Stylus pressure 1.7-2.3 g; cartridge weight 7.9 g..... $110
N11MP Gold. Replacement styli $65

MP 11 Phono Cartridge
Phono cartridge with samarium cobalt magnet. 0.3 x 0.7 mil elliptical diamond stylus. FR 20-20,000 Hz; output voltage 5 mV (5 cm/sec) @ 1,000 Hz; ch sep >23 dB @ 1,000 Hz; stylus pressure 1.8-2.3 g; cartridge weight 6.8 g..... $80
N11 MP. Replacement styli $55

MP 10 Phono Cartridge
MM phono cartridge with A5052 duralmin cantilever. 0.5 mil conical diamond stylus; FR 20-20,000 Hz; output voltage 5 mV (5 cm/sec) @ 1,000 Hz; ch sep >22 dB; stylus pressure 2.0-2.5 g; cartridge weight 6.8 g..... $60
N10 MP. Replacement styli $35

MP03. "Bulk Budget" cartridge, eliptical stylus. $40
NNC-P. Same as above P-mount..... $40

ORTOFON

Ortophase Moving-Coil Phono Cartridges
MC3000. MC cartridge with ultra low mass (0.25 mg) moving system. Features propriety Ortofon Fg Replicant 100 stylus mounted on a rigid aluminum conical cantilever; carbon fiber armature wound with pure silver coils and a neodymium permanent magnet. Aluminum oxide, ceramic cartrige housing with Moh scale hardness factor of 9. Output voltage at 1,000 Hz 5cm/sec 0.1 mV; ch.sep. at 1,000 Hz >25dB; FR 5-90,000 Hz +4 −1dB; tracking ability at 315 Hz at recommended tracking force >80 μm; weight 9.5 g..... $1,000

MC30 Super. MC cartridge with extruded aluminum body, and carbon fiber support system, and silver coil windings. Stylus Fg type 1 with stylus tip radius r/R 4.5/80 μm. Output 0.25 mV at 1000 cm/sec; FR 15-45,000 Hz; sep >25 dB at 1,000 Hz; tracking ability at recommended tracking force 90 μm; weight 9 g..... $450
MC20 Super. MC cartridge with extruded aluminum body. Features Van den Hul stylus; carbon-fiber support system. Output 0.25 mV at 1,000 cm/sec; FR 15-40,000 Hz; sep >25 dB at 1,000 Hz; tracking-force range 1.5-1.9 g; cartridge weight 9 g $300
MC10 Super. MC stereo phono cartridge with elliptical nude stylus. Vertical tracking angle 20x, output 0.25 mV at 1 kHz, 5 cm/sec; FR 20-20,000 Hz ± 1 dB; tracking force 1.5 g; FIM distortion <1%; 7 g.. $150

High-Output Moving-Coil Cartridges
X5MC. High output MC cartridge for direct connection to MM phono input. Features Fg type 2 nude diamond stylus. High output/low moving mass achieved through focused magnetic field and only 230 coil windings per pole piece. Output 2 mV at 5 cm/sec. FR 15-40KHz +4 −1.5 dB; sep >25 dB at 1,000 Hz. weight 4.1 g..... $300
X3-MC. High-ouput MC cartridge connects directly to MM-phono input. Features focused magnetic field for high output with low-moving mass (230 coil windings per pol piece) and nude fine-line diamond. Output 2 mV at 5 cm/sec; FR 20-40,000 Hz +4, −1.5 dB; sep >25 dB at 1,000 Hz; tracking-force range 1.8-2.2 g; cartridge weight 4.1 g; vertical tracking angle 23x..... $200
X3-MCP. P-mount version of X3-MC..... $200

X1-MC. High-ouput MC cartridge with low-moving mass, aluminum cantilever, and elliptical diamond. Output 2 mV at 5 cm/sec; FR 20-30,000 Hz +4, −1.5 dB; sep >22 dB at 1,000 Hz; tracking-force range 1.75-2.2 g; cartridge weight 4.1 g; vertical tracking angle 23x..... $100
X1-MCP. P-mount version of X1-MC..... $100

Diamond Collection 500 Series
540. MM cartridge utilizing proprietary slotted pole pin construction for improved high frequency response. Patented locking stylus guard to secure sylus to cartridge body avoiding unwanted resonances. Square-shank nude diamond Fg type 1. Output at 3mV at 1 kHz. FR 20-28kHz +4, −1 dB..... 300
530. Similar to 540 except uses square-shank nude fine-line diamond. FR 20-25,000 Hz..... $225
520. Similar to 530 except uses a square-shank nude elliptical diamond. sep 23dB; FR 20-23,000 Hz $150

Optimum-Mass Cartridges
OM-40 Gold. Variable-magnet-shunt cartridge with individually calibrated Van den Hul stylus. Output 3.5 mV at 1,000 cm/sec; FR 20-30,000 Hz; sep 25-1,000 dB at 1,000 Hz; tracking-force range 1-1.5 g; cartridge weight 5 or 2.5 g..... $300
OM-30. Low-mass variable-magnetic-shunt phono cartridge. Features cartridge body of neryl plastic for rigidity and low weight; copper coils; mu-metal container for electrical system; nude fine-line diamond stylus; tracking force 1.25 g; FR 20-27,000 Hz; output voltage at 1,000 Hz (5 cm/sec) 3.5 mV; wt 2.5 grams; ch sep at 1,000 Hz >25 dB..... $225
OMP-30. P-Mount version of OM-30 cartridge; 6 gms..... $225
OM-20. Similar to OM-30 except for a more rectangular nude elliptical diamond stylus; designed for medium-weight tonearms; FR 20-22,000 Hz; output voltage at 1,000 Hz (5cm/sec) 4 mV..... $175
OMP-20. P-Mount version of OM-20 cartridge; 6 gm..... $175
OM-10. Similar to OM-20 except for a heavier stylus tip; designed for use with heavier tonearms; tracking force 1.5 gram; FR 20-20,000 Hz; output voltage at 1,000 Hz (5 cm/sec) 4 mV; ch sep at 1,000 Hz 22 dB..... $95
OMP-10. P-Mount version of OM-10 cartridge; 6 gm..... $95
OM-5E. Similar to OM-10 except for heavier stylus tip; for use with heavier tonearms. Tracking force 1-5 g; FR 20-20,000 Hz..... $65
OMP-5E. P-Mount version of OM-5E..... $65

Pro Series
Concorde Pro Kit. MM cartridge kit with one Concorde integrated pro body and two spherical pro styli. FR 20-20,000 Hz; output 5 mV at 1,000 Hz 5 cm/sec; sep/balance at 1kHz 20/2dB; weight 16 g..... $110
OM Pro-Kit. MM-cartridge kit with one OM Pro body and 2 pro styli. Features spherical stylus and aluminum cantilever. Output 5 mV at 5 cm/sec; FR 20-18,000 Hz ±3 dB; sep 20 dB at 1,000 Hz; tracking-force range 3-5 g; cartridge weight 5 g..... $95
Stylus Pro. Replacement stylus for OM Pro Kit $30

300 Series
320U. Universal P-mount with 0.5" mount adaptor, moving magnet generating principal. Square shank nude eliptical diamond. FR 20-22,000 Hz; output 5 mV at 5 cm/sec; sep 24 dB..... $129
310U. Similar to 320U except has highly-polished elliptical diamond stylus. FR 20-20,000 Hz $89
305E. Similar to 310U except has an elliptical diamond stylus. sep 23 dB..... $60

Universal Series
TM20U. Variable-magnetic-shunt cartridge with square shank nude eliptical diamond and universal mount. Output 4 mV at 1 kHz, 5 cm/sec; FR 20-25,000 Hz; bal/sep. 1.5/25 dB; weight 6g..... $129
TM14U. Stereo cartridge with elliptical diamond stylus and unversal mount. FR 20-20,000 Hz; output 4.5 mV; equivalent stylus tip mass 0.5 mg; recommended load 47k ohms/200 pF; tracking force 1.25 g..... $89
TM7U. Cartridge with elliptical diamond stylus and universal mount. FR 20-20,000 Hz; output 5 mV at 1 kHz, 5 cm/sec..... $60

FF15XE MkII. Variable Magnetic Shunt cartridge with 8-μm elliptical diamond stylus tip. Output 3.2 mV at 1 kHz, 1 cm/sec; FR 20-20,000 Hz; compliance 20 μm/mN horizontal, vertical); tracking-force range 1.5-3 g; 5 grams..... $50

PARASOUND

PCe77 P-Mount Phono Cartridge
Induced-magnet cartridge with aligned elliptical stylus. Output 4 mV at 3.54 cm/sec; FR 20-26,000 Hz ±0.8 dB..... $80

PCs55 Phono Cartridge
Standard 0.5"-mount induced-magnet cartridge with low mass, medium compliance, and hinged stylus

guard. Thin-walled aluminum cantilever, 0.6-mil uniradial stylus. Output 5 mV at 3.54 cm/sec; FR 20-20,000 Hz ±1 dB; sep 28 dB at 1,000 Hz; tracking force range 1.5-2 g; cartridge weight 3.7 g..... $60

IM1700 P-Mount Phono Cartridge
Induced-magnet cartridge with spherical stylus and aluminum cantilever. Output 5 mV at 3.54 cm/s; FR 20-20,000 Hz ±1 dB; cartridge weight 5 g..... $60

PICKERING

XLZ/7500S Phono Cartridge
Cartridge with nude Stereohedron diamond stylus tip. Sens 0.06 mV/cm/sec ±2 dB; FR 10-50,000 Hz; sep 35 dB; tracking force 0.5-1.5 g; includes Dustamatic brush; replacement stylus D7500..... $275

XSV/5000 Phono Cartridge
Cartridge with nude Sterehedron diamond stylus tip. Output 3.8 mV; FR 10-50,000 Hz; tracking force 0.5-1.5 g; sep 35 dB; includes Dustamatic brush. Replacement stylus D5000..... $275
XSV/4000. Similar to XSV/5000 except FR 10-36,000 Hz; tracking force .75-1.5 g; replacement stylus D5000..... $200

XV-15/1200 Phono Cartridge
Output 4.4mV at 5.5 cm/sec; FR 10-30,000Hz; 0.2 x 0.7-mil elliptical stylus; tracking force 0.75-1.25 g; sep 35 dB; features Dustamatic brush; replacement stylus D1200..... $170

XV-15/757S Cartridge
Stereohedron stylus, output 4.4 mV; tracking force .75-1.5 g; FR 10-25,000 Hz; replacement stylus D757S..... $140

XSV/3000 Phono Cartridge
Output 5 mV at 5.5 cm/sec; FR 10-30,000Hz; Steroeohedron stylus tip; tracking force 0.75-1.5 g; sep 35 dB; features Dustamatic brush; replacement stylus D3000..... $130

XV-15/625E Phono Cartridge
Output 4.4 mV at 5.5 cm/sec; FR 10-25,000 Hz; 0.3 x 0.7-mil elliptical stylus; tracking force 0.75-1.5 g; sep 35 dB; features Dustamatic brush; replacemant stylus..... $110

XV-15/625DJ Phono Cartridge
Designed for disco use. Output 0.8 mV/cm/sec; sep 30 dB; tracking force 1-4 g; 0.3 x 0.7-mil elliptical stylus..... $82

XV-15/400E Phono Cartridge
Output 5.5 mV at 5.5 cm/sec; FR 10-25,000 Hz; 0.4 x 0.7-mil elliptical sylus; tracking force .75-1.25 g; sep 35 dB; features Dustamatic brush; replacement stylus D400..... $95

P-Mount Cartridges
TLZ/7500S. High-performance low-imp cartridge with 4-coil, high-energy samarium cobalt magnet. Nude stereohedron stylus; output 0.06 mV/cm/sec; tracking force .75-1.5 g; FR 10-50,000 Hz..... $275
XSP/4004. Features nude stereohedron stylus with output 3.8mV; tracking .75-1.5 g; FR 10-36,000 Hz..... $200
XSP/3003. Stereohedron series p-Mount cartridge with output 3.3 mV. FR 10-30,000 Hz; tracking force .75-1.5 g, ±.25 g..... $130
TL-4S. 4-coil incuced magnet. Stereohedron stylus, output 4.4 mV, FR 10-25,000 Hz..... $170
TL-3S. Stereohedron stylus. Output 4.4 mV; tracking .75-1.5 g; FR 10-25,000 Hz..... $140
TL-2S. Stereohedron stylus. Output 4.4 mV; tracking .75-1.5 g; FR 10-22,000 Hz..... $110
TL-2E. Elliptical stylus. Output 4.4 mV; tracking .75-1.5 g; FR 10-22,000 Hz..... $95
TL-1. Std P-Mount, 2-coil moving magnet. Tracking .75-1.5 g. Elliptical stylus, FR 10-20,000 Hz, output 4.4 mV..... $37
TL625DJ. P-Mount cartridge. FR 20-20,000Hz, output 4.4 mV, tracking force 3.5-4 g. Replacement stylus DJL..... $82
TLE Type 2. Elliptical stylus. Output 3.0 mV; tracking force .75-1.5 g; FR 10-22,000 Hz..... $60
TLE. Elliptical stylus. Output 4.4 mV; tracking force .75-1.5 g; FR 10-20,000 Hz..... $55

V-15/Series II-S. Stereohedron stylus, FR 10-25,000 Hz, output 3.5 mV. Replacement stylus DSR-S $88
V-15/Series II-EE. Elliptical stylus, FR 10-20,000 Hz, output 3.5 mV. Replacement stylus DSR-EE.. $55
V-15/Series II-E. Elliptical stylus, FR 10-18,000 Hz, output 3.5 mV. Replacement stylus DSR-E.... $50
V15-DJ Cartridge
Spherical Cartridge (standard .5″ mount) Nominal Output 4.4mV; Tracking force 2-5 g; weight 5.5 g$43

PIONEER

PC-295T Induced-Magnet Cartridge
T4P P-mount cartridge. FR 10-33,00 Hz; output voltage 2.5 mV; tracking force 1.25 g..... $80
PN-295T. Replacement stylus for PC-295T.... $35

PC-300T Induced-Magnet Cartridge
T4P P-mount cartridge. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g..... $80
PN-300T. Replacement stylus for PC-300T.... $30

PC-290T Induced-Magnet Cartridge
T4P P-mount cartridge. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g..... $70
PN-290T. Replacement stylus for PC-290T.... $30

PC-5MC Moving-Coil Cartridge
High-output MC cartridge. FR 10-32,000 Hz; output voltage 2 mV; tracking force 1.7-2.3 g..... $54
PN-5MC. Replacement stylus for PC-5MC.... $32

PC-250T Moving-Magnet Cartridge
T4P P-mount cartridge. FR 10-30,000 Hz; output voltage 2.5 mV; tracking force 1-1.5 g..... $50
PN-250T. Replacement stylus for PC-250T.... $20

PREMIER BY SUMIKO

FT-3 Straight Tonearm
Statically balanced tonearm with anti-resonance foam-stuffed tube. Features decoupled counterweight; cone and ball race bearings; LC-OFC litz wiring; VTA adjustable during play; termination box with LC-OFC flexible link and gold-plated RCA jacks. Fixed-azimuth adjustable magnesium headshell. Tracking force 0-3 g calibrated to 0.1 g; effective mass 10 g; offset angle 23x; stylus overhang 17.3 mm; overall length 305 mm; effective length 239 mm; tracking error 0.123x/cm; 20 oz..... $475
FT-3K..... $395

MMT Tonearm
Highly rigid medium-mass tonearm with double gimbal bearings; bearing design allows free movement without bearing play or chatter. Features decoupled counterweight; optional damping; removable headshell with azimuth adjustability and LC-OFC cartridge leads..... $290

REALISTIC

V15 Realistic/Shure V15 Type RS
5-30,000 Hz frequency response; precision tracking at 1.25-1.75 g; dynamic stabilizer; viscous damping for precise tracking of warped record..... $80

RXT6 Realistic/Shure Cartridge
Cartridge with telescope stylus features dynamic stabilizer; tracking force 1.25-1.75 g; P-mount adaptor and installation kit..... $50

RXP3 Realistic/Shure Cartridge
P-mount; elliptical diamond stylus; tracking force 1.25 g..... $30

R47XT Realistic/Shure Cartridge
Elliptical diamond stylus (10 x 18 microns); tracking force 1.75-2.25 g; sep 20 dB..... $27

RS500DJ Realistic/Stanton Cartridge
Pro Series cartridge for radio stations and dance clubs (back-cues and scratch mixes); tracking force 2.5 g$30
R500DJ. Replacement stylus..... $20

RX1500 Dual-Magnet Plug-In Cartridge
Dual-magnet plut-in cartridge features diamond elliptical stylus; tracking force 1-1.5 g..... $30

R25XT Realistic/Shure Cartridge
Elliptical diamond stylus (10 x 18 microns); tracking force 2.5-3.5 g..... $20

Styli
RS3P. Diamond stylus for RXP3 and Shure M92E, M99E, M104E..... $28
R8X. Diamond stylus for R1000, Shure M90, M75, T-2 series..... $25
R5X. Diamond stylus for R47, Shure M70 and M75 series..... $20
RS50E. Diamond elliptical stylus for ADC, QLM34 MK III, P32, K5E cartridges..... $22
RT1500. Diamond elliptical stylus for RX1500, Audio-Technica AT-102P, 102, 112, 122EP cartridges; tracking force 1-1.5 g..... $20
R3X. Diamond stylus for R25, Shure M71 and M75ECS series..... $15
42-2772. Diamond conical stylus..... $15
DAT-2. Diamond conical stylus for Pickering V15/AT-1/2, KLH, similar cartridges..... $12
ATN-771E. Diamond elliptical stylus for Audio-Technica AT-70/71/71E..... $11
RSK8C. Diamond conical stylus for QLM30 and ADC K series cartridges..... $11
PS-203. Diamond stylus for Clarinette 14/15/16 and 13-1117/1118..... $6

REVOLVER BY MUSIC HALL

Revolver Super Tonearm
Similar geometry to Revolver Straight Tonearm but incorporates larger zero free-play bearings, alloy arm tube..... $450

Revolver Straight Tonearm
Statically balanced pivoted direct-coupled tonearm with zero free-play-adjusted precision ball races; decoupled counterweight; fixed aluminum headshell. Tracking force 2-10 g calibrated to 0.1 g; effective mass 7 g; offset angle 23.5x; stylus overhang 18 mm; overall length 285 mm; effective length 228 mm; 393 g..... $200

SAEC BY ANALOG EXCELLENCE

C-1 MC Phono Cartridge
Medium output; beryllium cantilever; line-contact stylus; nonresonant metal-alloy body. Output 0.4 mV at 5 cm/sec; FR 10-50,000 Hz ±2 dB; sep 30 dB at 1,000 Hz; tracking force 1.4-1.6 g; cartridge weight 9 g; internal imp 40 ohms..... $695

C-2 High-Output MC Cartridge
Beryllium pipe cantilver; line-contact stylus. Output 2.5 mV at 5 cm/sec; FR 10-30,000 Hz; tracking force 1.8 g ±0.25 g; cartridge weight 9.5 g..... $395

C-102 MC Phono Cartridge
Medium-output; aluminum cantilever; nude diamond stylus. Output 0.6 mV at 5 cm/sec; FR 20-30,000 Hz ±2 dB; sep 25 dB at 1,000 Hz; tracking force 1.6-1.8 g; cartridge weight 7 g; internal imp 40 ohms..... $250

Tonearms

WE-8000S/T Straight Tonearm
Statically balanced tonearm with offset angle built into ceramic headshell. Features titanium/aluminum

alloy pipe with 10° taper; lateral balance control; double-knife edge bearings; decoupled counterweight; For medium to high compliance cartridges. Ceramic headshell, berylium connector; tracking force 0-3 g calibrated to 0.1 g; offset angle 18°; stylus overhang 13mm; overall length 400mm; effective length 293mm; tracking error <1° $1,500

WE-506/30 J-Shaped Tonearm
J-shaped tonearm features special alloy pipe. Statically balanced; decoupled counterweight; universal design; ceramic headshell; tracking force 0-4.0 g calibrated to 0.1 g; offset angle to 16°; stylus overhang 9mm; overall length 392mm; effective length 286mm; tracking error <1.5° $1,500

WE-407/23 J-Shaped Tonearm
Statically balanced tonearm with patented forged steel double-knife-edge bearing. Each arm individually balanced in all 3 planes (horizontal, vertical, front/back). Headshell sintered and multi-crystaled aluminum oxide, ceramic; tracking force 0-4 g calibrated to 0.1 g; offset angle 18°; stylus overhang 12mm; overall length 311mm; effective length 221mm $795

WE-317S J-Shaped Tonearm
Statically balanced tonearm with double-edge bearings. Headshell of aluminum/titanium; tracking force 0-3 g calibrated to 0.1 g; offset angle 20°; stylus overhang 13mm; overall length 331.5mm; effective length 235mm; tracking error <1.5°..... $595

WE-308/N J-Shaped Tonearm
Statically balanced tonearm with double-knife-edge bearings and stainless steel pipe. Universal aluminum/titanium alloy headshell; tracking force 0-3 g calibrated to 0.1 g; offset angle 12.5°; stylus overhang 5mm; overall length 329mm; effective length 235mm; tracking error <1.5° $350

SHURE

ULTRA 500. All of V15 type V-MR (see below) plus other features. Total eff mass 0.165 mg; dynamic vertical stylus compliance at 10 Hz 20 μcm/dyne; output at 1,000 Hz; 5 cm/sec peak velocity; 3.2 mV $400

ULTRA 400. Total eff mass 0.190 mg; dynamic vertical stylus compliance at 10 Hz 14 μcm/dyne; output at 1,000 Hz; 5 cm/sec peak velocity; 4.0 mV $250

ULTRA 300. Total eff mass 0.165 mg; dynamic vertical stylus compliance at 10 Hz 11 μcm/dyne; output at 1,000 Hz; 5 cm/sec peak velocity; 3.2 mV $160

V15 Type V-MR Phono Cartridge
MM cartridge with improved low-distortion MicroRidge stylus tip and Microwall beryllium stylus shank for increased trackability. Features viscous-damped Dynamic Stabilizer and Side-Guard stylus protection system; includes Duo-Point Alignment Gauge and computer performance printout. Output 3.2 mV at 1,000 Hz (5 cm/sec peak velocity); FR 10-28,000 Hz; sep 25 dB or greater at 1,000 Hz; tracking force 1.0 g; replacement stylus VN5MR..... $297

V15 Type V-B Phono Cartridge
MM cartridge with exclusive Hyperelliptical tip, Microwall beryllium stylus shank, Dynamic Stabilizer and Side-Guard stylus protection system. Includes individual computer performance printout. Output 3.2 mV at 1 kHz (5 cm/sec peak velocity); FR 10-28,000 Hz; sep 25 dB or greater at 1,000 Hz; tracking force 1.0 g; replacement stylus VN5HE; VN5MR upgrade $237

V15 Type V-P Phono Cartridge
Specifically designed for ultimate performance in P-Mount tonearms. Features Hyperelliptical tip; Microwall beryllium stylus shank; computer performance printout. Same specs as V15 type V-B. Replacement stylus VN5P..... $221

ML140HE Phono Cartridge
Slim-line high-efficiency cartridge body provides an extremely flat frequency response from 20-22,000 Hz. Superb trackability with Microwall beryllium shank and accurate tracing with Hyperelliptical tip. Slim Dynamic Stabilizer combats record warp problems while destaticizing and cleaning the record, and Side-Guard helps protect stylus from accidental damage. Includes overhang gauge. Replacement stylus N140HE $205

VST V Phono Cartridge
MM cartridge. Features Microwall/Be beryllium stylus shank; hyperelliptical stylus tip; telescoped stylus shank; dynamic stabilizer; side-guard stylus protection system. FR 10-35,000 Hz; trackability at 10,000 Hz 72 cm/sec; ch sep at 1,000 Hz 25 dB $170

ML120HE Phono Cartridge
Slim-line high-efficiency cartridge body provides flat FR from 20-22,000 Hz. Low-mass, high-stiffness



telescoped stylus shank, Hyperelliptical tip, slim Dynamic Stabilizer and Side-Guard stylus protecton system. Output 4.0 mV at 1 kHz (5 cm/sec peak velocity); sep 25 dB or greater at 1 kHz; tracking force 1.0 g. Replacement stylus N120HE..... $167

M111HE Phono Cartridge
Features telescoped stylus shank, Hyperelliptical tip, Dynamic Stabilizer, Side-Guard stylus protection system; rigid, low-mass converter allows mounting to either conventional 0.5″-mount tonearms or most P-Mount tonearms; output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N111HE $146

M110HE Phono Cartridge
Features telescoped stylus shank, Hyperelliptical tip, and Side-Guard stylus protection system; rigid, low-mass converter allows mounting to either conventional 0.5″-mount tonearms or all P-Mount tonearms; same specs as M111HE. Replacement stylus N110HE $119

M105E Phono Cartridge
Features 0.2 x 0.7 mil elliptical tip and thin-walled, reinforced aluminum shank. Features Destaticizer Brush to clean dust from record grooves and remove static electricity from record surface, Side-Guard stylus protection system helps prevent accidental stylus damage. Fits most P-Mount tonearms and includes rigid 0.5″-mount converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N105E..... $108

DC60 Phono Cartridge
Features internal cue guard to stabilize stylus shank; wraparound stylus grip; comes with 2 replacement styli; elliptical stylus. ½-inch mount..... $106
DC50. As above, P-mount..... $106

VST III Phono Cartridge
MM cartridge. Features Microwall/Be beryllium stylus shank; hyperelliptical stylus tip; telescoped stylus shank; dynamic stabilizer; side-guard stylus protection system. FR 10-20,000 Hz; trackability at 10,000 Hz 56 cm/sec; ch sep at 1,000 Hz 25 dB $100
VST III-P. As above, P-mount..... $90

M104E Phono Cartridge
Cartridge with accurate-tracing 0.2 x 0.7 mil elliptical stylus tip features tubular heat-treated aluminum stylus shank. P-Mount compatible and includes rigid 0.5″-mount converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N104E..... $76

DC40 Phono Cartridge
Features internal cue guard to stabilize stylus shank; wraparound stylus grip; comes with 2 replacement styli; elliptical stylus. ½-inch mount. Tracking force 2.5-3.5 grams; FR 20-20,000 Hz; output voltage 5 mV; ch sep 20 dB at 1,000 Hz..... $76

SC39EJ Phono Cartridge
Features biradial stylus; side-guard stylus protection system; output voltage 4 mV; FR 20-20,000 Hz; ch bal within 2 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.5-3 dB; beige stylus grip $76
SC39B. As above, spherical stylus; green stylus grip $68

M55E Phono Cartridge
MM cartridge. Output 6.2 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; tracking force 0.75-2 g; sep 20 dB (1 kHz); 0.2 x 0.7-mil biradial (elliptical) stylus, replacement stylus N55E $71

M44E Phono Cartridge
MM cartridge. Output 9.5 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; tracking force 1.75-4 g; sep 20 dB (1 kHz); 0.4 x 0.7-mil biradial (elliptical) stylus; replacement stylus N44E $62

M44G Phono Cartridge
Features flip-down stylus-guard; 15-micron spherical stylus tip. Tracking force ¾-1¼ grams; FR 20-20,000 Hz; ch bal within 2 dB; ch sep at 1,000 Hz 20 dB; output 6.2 mV $57

M44C Phono Cartridge
Features flip-down stylus-guard; 15-micron spherical stylus tip. Tracking force 3-5 grams; FR 20-20,000 Hz; ch bal within 2 dB; ch sep at 1,000 Hz 20 dB; output 6.2 mV $55

M447 Phono Cartridge
Features flip-down stylus-guard; 15-micron spherical stylus tip. Tracking force 1½-3 grams; FR 20-20,000 Hz; ch bal within 2 dB; ch sep at 1,000 Hz 20 dB; output 6.2 mV $55

M99E Phono Cartridge
Heat-treated tubular aluminum stylus shank and 0.2 x 0.7 mil elliptical stylus tip. P-Mount compatible and fits conventional 0.5″-mount tonearms with rigid converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 20 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N99E $54

SC35C Phono Cartridge
Features spherical stylus; light blue stylus grip; output voltage 5 mV; FR 20-20,000 Hz; ch bal within 2 dB; ch sep 20 dB at 1,000 Hz; tracking force 4-5 grams $49

M92E Phono Cartridge
Phono cartridge with heat-treated tubular aluminum stylus shank and 0.4 x 0.7 mil elliptical stylus tip features P-Mount compatible and fits conventional 0.5″-mount tonearms with rigid converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-18,000 Hz $33

SIGNET

MK440ML MC Cartridge
Dual moving MicroCoil design; separation 18 dB

at 10,000 Hz; tracking-force range 1-1.6 g; cartridge weight 7 g $600

TK10ml Series II MM Cartridge
MM cartridge features full toroidal coil wound with LC-OFC wire for generating system; Microline nude stylus mounted on boron cantilever. Reduced compliance on stylus assembly for compatibility with wide range of tonearms. Output 2 mV at 5 cm/s; FR 20-20,000 Hz ±3 dB; sep 35 dB at 1,000 Hz; tracking-force range 1-1.5 g; cartridge weight 7.5 g; scanning radius 2.5 micrometers; vertical tracking angle 20 degrees $450
TKN10ml Series II. Replacement stylus for TK10ml Series II cartridge $250

MK220E MC Cartridge
Dual moving MicroCoil design with non-user replaceable stylus. Features 0.2 x 0.7 mil nude square-shank miniature elliptical diamond. Output 0.4mV at 5 cm/sec; FR 5-50,000 Hz; sep 25 dB at 1,000 Hz, 18 dB at 10,000 Hz; cartridge weight 4.8 g $400

MR5.0ml MM Cartridge
MM cartridge features unicore-coil generating system with LC-OFC wire and microline stylus on gold-plated beryllium cantilever. Output 5 mV at 5 cm/sec; FR 5-37,000 Hz; sep 33 dB at 1,000 Hz, 25 dB tracking-force range 0.8-1.8 g; cartridge weight 6 g $350

MR5.0lc MM Cartridge
Unicore-coil generating system with LC-OFC wire and square-shank nude stylus on beryllium cantilever. Output 50 mV; FR 5-35,000 Hz; sep 33 dB at 1,000 Hz, 23 dB at 10,000 Hz; tracking-force range 0.8-1.6 g; cartridge weight 6 g $275

MR5.0me MM Cartridge
Unicore-coil generating system with LC-OFC wire and 0.2 x 0.7 mil square-shank nude stylus. Output 5 mV at 5 cm/sec; FR 5-30,000 Hz; sep 30 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking-force range 0.8-1.6 g; cartridge weight 6 g $225

MK120He MC Cartridge
High-output design features user-replaceable stylus with 0.2 x 0.7 mil nude square-shank diamond. Output 2 mV at 5 cm/sec; FR 15-30,000 Hz; sep 29 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking-force range 1.2-1.8 g; cartridge weight 5 g $200

MR5.0e MM Cartridge
Unicore-coil generating system with LC-OFC wire and 0.3 x 0.7 mil nude stylus. Output 5 mV at 5 cm/sec; FR 10-30,000 Hz; sep 29 dB at 1,000 Hz, 19 dB at 10,000 Hz; tracking-force range 0.9-1.9 g; cartridge weight 6 g $195

MK55e MC Cartridge
Low mass; dual moving MicroCoil design; user-replaceable stylus with 0.3 x 0.7 mil nude mounted diamond. Output 0.5 mV at 5 cm/sec; FR 20-28,000 Hz; sep 28 dB at 1,000 Hz, 18 dB at 10,000 Hz; tracking-force range 1.2-1.8 g; cartridge weight 4.2 g $150

TK6Ep MM P-mount Cartridge
Universal design with 0.2 x 0.7 mil square-shank nude diamond. Output 5 mV at 5 cm/sec; FR 10-30,000 Hz; sep 29 dB at 1,000 Hz, 20 dB at 10,000 Hz; tracking-force range 1-1.5 g; cartridge weight 6 g$150

Signet Standard 107 Cartridge
Universal mount, linear contact stylus. Output 3.0 mV at 1,000 Hz; sep 31 dB at 1,00 Hz; tracking force 1.6 g $150

MR5.0 Basic MM Cartridge
Unicore-coil generating system with LC-OFC wire and 0.4 x 0.7 mil bonded elliptical stylus. Output 5 mV at 5 cm/sec; FR 15-25,000 Hz; sep 27 dB at 1,000 Hz, 17 dB at 10,000 Hz; tracking-force range 1.3-2.3 g; cartridge weight 6 g $125

Signet Standard 105 Cartridge
Universal mount, 0.3 x 0.7 mil elliptical stylus; output 5.0 mV at 1,000 Hz at 5 cm/sec; FR 15-27,000 Hz; sep 29 dB at 1,000 Hz; tracking force 1.6 g $125

TK4Ep MM P-mount Cartridge
Universal design with 0.3 x 0.7 mil nude stylus. Output 5 mV at 5 cm/sec; FR 15-20,000 Hz; sep 28 dB at 1,000 Hz, 19 dB at 10,000 Hz; tracking-force range 1-1.5 g; cartridge weight 6 g. $95

Signet Standard 103 Cartridge
Universal mount, 0.4 x 0.7 mil elliptical stylus; output 5.0 mV at 1,000 Hz at 5 cm/sec; FR 15-25,000 Hz; sep 29 dB at 1,000 Hz; tracking force 1.6 g. $90

TK2Ep MM P-mount Cartridge
Universal design with 0.4 x 0.7 mil elliptical stylus. Output 5 mV at 5 cm/sec; FR 15-25,000 Hz; sep 26 dB at 1,000 Hz, 17 dB at 10,000 Hz; tracking-force range 1-1.5 g; cartridge weight 6 g. $65

Signet Standard 101 Cartridge
Universal mount; 0.6 mil stylus; output 5.0 mV at 1,000 Hz at 5 cm/sec; FR 20-20,000 Hz; sep 24 dB at 1,000 Hz; tracking force 1.6 g $60

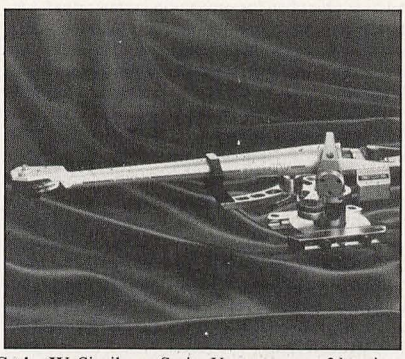
Signet Standard 100 Cartridge
.5″ mount; 0.4 x 0.7 mil elliptical stylus; output 4.2 mV at 1,000 Hz at 5 cm/sec; FR 20-22,000 Hz; sep 22 dB at 1,000 Hz; tracking force range 1.5-2.5 g . . $60

Tonearms

XK-35 Tonearm
Tonearm with Signetrace damped planar tracking, nonremovable tube features tracking error ±1°; cable capacitance 75 pF; effective length (stylus tip to pivot) 240 mm; tracking force range 0-2 g; acceptable cartridge weight 2-9 g; anti-skating adjustment permanent thread and weight with detents $325

SME BY SUMIKO

SME Series V Straight Tonearm
Dynamically balanced tonearm with ultra-rigid 1-piece magnesium casting from headshell to rear of counterweight rails. Features captive ball-race bearings; VTA adjustable during play; internally tapered arm tube for reduced mass and better control of standing waves; silver wiring-throughout. Tracking force 0-3 grams calibrated to 0.1; effective mass 11 g; offset angle 23x 38'; Satin black; tonearm weight 720 g. $1,995



Series IV. Similar to Series V except ABEC 3 bearings; static balanced vertical tracking; manually adjusted arm height. $1,200

SOUTHER ENGINEERING

Verliss Integrated Phono Cartridge
MC; integrated shell mounting; individual response curve supplied; hyper elliptical stylus type; FR 10-50,000 Hz ±0.5 dB; sep 35 dB; 0.6 mV; tracking force 2.0-2.4 g; 17 g $850

Varltas Standard Phono Cartridge
MC; spherical stylus type; individual response curve supplied; FR 10-50,000 Hz ±0.5 dB; sens 35 dB; 0.6 mV; output 0.6 mV; tracking force 2.0-2.4 g; 4.4 g. $800

Delta Phono Cartridge
MC; spherical stylus type; individual response curve supplied; FR 10-50,000 Hz ±0.5 dB; sep 30 dB; output 0.6 mV; tracking force 2.0-2.4 g; 4.4g . . $650

Gamma Phono Cartridge
MC; spherical stylus type; individual response curve supplied; FR 10-50,000 Hz ±0.5 dB; sep 25 dB; output 0.6 mV; tracking force 2.0-2.4 g; 4.4 g . $450

STANTON

Calibration Series

981LZ Mk IIs Phono Cartridge
Low-imp cartridge, fully calibrated for exact precision with nude Stereohedron diamond stylus. Includes mounted "longhair" brush. Output 0.06 mV/cm/sec 22 dB; tracking force 1 g ±.25 g; FR 10-50,000 Hz; sep 35 dB; weight 5.5 g $250

981HZ Mk IIs Phono Cartridge
High-imp stereo cartridge with nude Stereohedron diamond stylus, fully calibrated. Includes mounted "longhair" brush. Output 0.7 mV/cm/sec; tracking force 1 g ±.25; FR 10-50,000 Hz; sep 35 dB at 1 kHz; weight 5.5 g. $250
881S Mk IIs Phono Cartridge
Output 0.9 mV/cm/sec; FR 10-25,000 Hz (individually calibrated to 20,000 Hz); balance/sep (1 kHz) ±1 dB/35 dB; load imp 47 kilohms; load capacitance 275 pF; tracking force 0.75-1.25 g; nude Stereohedron stylus; 5.7 g with self-supporting (1 g) brush; white with silver handle, white brush; replacement stylus D81S, D810 for mono LPs, D827 for 78s $180

681EEE MK II-S Phono Cartridge
Induced-magnet cartridge with Stereohedron II stylus shape; dynamically improved cantilever assembly. Output 0.7 mV/cm/sec; FR 10-22,000 Hz; sep 35 dB at 1,000 Hz; tracking force 1 g ±.25; cartridge weight 6.3 g. $120

High-Performance P-Mounts

L-847S P-Mount Cartridge
Top-of-the-line P-Mount cartridge. Features Stereohedron stylus; tracking .75-1.5 gs; output 0.7 mV/cm/sec; FR 10-36,000 Hz; ch balance <2 dB; sep 35 dB, 5.9 g; replacement stylus D84S $198

L-837S P-Mount Cartridge
Features Stereohedron stylus; tracks at 0.75-1.5 g; ch balance ±2 dB; sep 35 dB; 5.9 g; replacement stylus D83S $140

Stereo Standard P-Mount Series

L747S Plug-In Cartridge
Features Stereohedron stylus. FR 10-25,000 Hz; tracking force 0.75-1.5 g; output 0.9 mV/cm/sec; sep 35 dB; 5.7 g. Replacement stylus D747S $138

L737S Phono Cartridge
Plug-in cartridge features Stereohedron stylus. Tracking force 0.75-1.5 g; output 0.9 mV/cm/sec; FR 10-22,000 Hz; ch balance 2 dB; ch sep 35 dB. Replacement stylus D73S; weight 5.7 g $110

L737E Plug-In Cartridge
Elliptical stylus, 0.3 x 0.7 mil; output 0.9 mV/cm/sec; FR 10-22,000 Hz; tracking .75-1.5 g; ch balance 2 dB; sep 35 dB; weight 5.7 g. Replacement stylus D73E$93

L-727E P-Mount Phono Cartridge
Plug-in cartridge with 0.4 x 0.7-mil elliptical stylus. FR 10-25,000 Hz; tracking force .75-1.5 g; output 0.8

mV/cm/sec; sep 32 dB; replacement stylus D727E..... $83

L725E P-Mount Cartridge
Cartridge with elliptical stylus; tracking force 0.75-1.5 g; output 0.8 mV/cm/sec; FR 10-22,000 Hz; ch balance <2 dB; sep 28 dB; replacement stylus D71-2E; weight 5.7 g $60

L720EE P-Mount Cartridge
Elliptical stylus 0.3 x 0.7 mil; output 0.8 mV/cm/sec; FR 10-20,000 Hz; tracking .75-1.5 g; ch balance 2 dB; ch sep 28 dB; replacement stylus D71EE. Weight 5.7 g..... $55

Professional Cartridges—Disco Series

680SL Disco Cartridge
Output 1.1 mV/cm/sec; FR 20-20,000 Hz; balance-/sep 2/30 dB; load resistance 47 kilohms; load capacitance 275 pF; nude Stereohedron stylus tip; tracking force 3-6 g with brush; 5.5 g $109

L680EL Disco Cartridge
For P-Mount tonearms; automatically compensates for higher tracking forces. Includes fluorescent-coated stylus. Output 1.1 mV/cm/sec; FR 20-18,000 Hz; sep 30 dB at 1,000 Hz; tracking force 3.5-4 g; weight 8.4 g. Replacement stylus D6800EL... $106

680EL Disco Cartridge
Output 0.82 mV/cm/sec; FR 20-18,000 Hz; balance-/sep ±2/30 dB (1 kHz); load imp 47 kilohms; load capacitance 275 pF; tracking force 2-5 g; 0.4 x 0.7-mil elliptical diamond stylus; 5.5 g; replacement stylus D6800EL. Comes with extra stylus..... $106

681SE Phono Cartridge (Calibrated)
Output 1 mV/cm/sec; FR 10-10,000 Hz ±0.5 dB; 10,000 Hz to 20,000 Hz, individually calibrated; balance/sep ±2 dB/35 dB (1 kHz); load imp 47 kilohms; load capacitance 275 pF; tracking force 2-4 g; 0.4 x 0.7-mil elliptical stylus; weight 5.5 g with self-supporting (1 g) brush; replacement stylus D6800SE, D6810 for LPs, D6827 for 78s $110

680AL Disco Cartridge
Output 1.1 mV/cm/sec; FR 20-18,000 Hz ±2 dB; bal/sep ±2/30 dB (1 kHz); load resistance 47,000 ohms; load capacitance 275 pF; tracking force 2-5 g; 0.7-mil spherical stylus tip; comes with extra stylus. Weight 5.5 g; replacement stylus D6800AL.... $90

L500AL Disco Cartridge
P-Mount MM cartridge automatically compensates for higher tracking forces required for disco use. Comes with fluorescent-coated stylus. Output 1.0 mV/cm/sec; FR 20-17,000 Hz; sep 28 dB at 1,000 Hz; tracking force 3.5-4 g; cartridge weight 8.5 g; replacement stylus D57PAL..... $53
500EL. Similar to above except output FR 20-18,000 Hz; sep 30 dB at 1,000 Hz; tracking force 2-5 g; cartridge weight 5 g; replacement stylus D5100EL$58

500AL Disco Cartridge
Output 1.0 mV/cm/sec; FR 20-17,000 Hz ±2 dB; bal/sep ±2/28 dB (1 kHz); load resistance 47,000 ohms; load capacitance 275 pF; tracking force 3-7 g; 0.7 mil spherical stylus. Weight 5 g; replacement stylus D5107AL..... $53

Stereo Standard Series (with "Longhair" Brush)

680EE Phono Cartridge
Output 0.82 mV/cm/sec; FR 20-20,000 Hz; balance-/sep ±2 dB/35 dB (1 kHz); load imp 47 kilohms; load capacitance 275 pF; tracking force 0.75-1.5 g; 0.3 x 0.7-mil elliptical diamond stylus D680..... $83

Broadcast Series--Mark II

500EE Mk II. Output 1 mV/cm/sec ±2 dB; FR 10-20,000 Hz; balance/sep ±2/35 dB (1 kHz); tracking force .75-1.5 g; 0.3 x 0.7-mil elliptical diamond stylus; replacement stylus D50EE Mk II $55
500E Mk II. Output 1 mV/cm/sec ±2 dB; FR 10-20,000 Hz; balance/sep ±2/35 dB (1 kHz); 0.3 x 0.7-mil elliptical diamond stylus..... $50
500A Mk. II. Output 1 mV/cm/sec ±2 dB; FR 10-20,000 Hz; balance/sep ±2/35 dB (1 kHz); tracking force .75-1.5 g; 0.3 x 0.7-mil elliptical diamond stylus; replacement stylus D50A Mk II $38

SUPEX BY SUMIKO

SD-901 Mark IV T.Q.A. Phono Cartridge
High-output MC cartridge with improvements over SD-901E in high-frequency linearity, tracking, and dynamics. Features output 1.7 mV at 3.54 cm/sec; FR 10-42,000 Hz ±2 dB; sep 27 dB at 1,000 Hz; tracking force 1.8-2.2 g; cartridge weight 9.1 g $380

SD-900 Mark IV T.Q.A. Phono Cartridge
Image specificity, tracking, and dynamic contrast improved over SE-99E; nude-mount elliptical Vital solid diamond stylus. Each cartridge hand-selected by David W. Fletcher. Output 0.2 mV at 3.54 cm/sec; FR 10-50,000 Hz ±2 dB; sep 27 dB at 1,000 Hz; tracking force 1.8-2.2 g; cartridge weight 8.3 g. $360
SD-900E+ Super..... $295

SD-3300 Boron Phono Cartridge
MC cartridge with miniaturized body of nonresonant material and Vital diamond grain-oriented stylus; hand-wound coils; samarium-cobalt magnets; boron tube cantilever. Output 0.15 mV at 3.54 cm/sec; FR 20-30,000 Hz ±3 dB; sep 30 dB at 1,000 Hz; tracking force 1.5-1.9 g; cartridge weight 3 g..... $850

TALISMAN BY SUMIKO

Virtuoso DTi Phono Cartridge
MC cartridge with diamond titanium-tube cantilever and anti-resonance foam insert; mass-reduced van den Hul Type 1 stylus. Output 1.8 mV at 5 cm/sec; FR 15-35,000 Hz ±3 dB; sep 30 dB at 1,000 Hz; tracking force 1.75-2.25 g; cartridge weight 7.5 g $1,200
Virtuoso Boron..... $850

Talisman B vdH MC Cartridge
MC cartridge with Direct Field Focus design to reduce magnetic losses and fringing effects by eliminating magnetic yokes and all but 1 pole piece. Features energy from samarium cobalt ring magnet pulled across coils by front-mounted pole piece; solid zinc body;boron rod cantilever with reduced mass van den Hul Type I stylus; long-line-contact diamond..... $325
Talisman S vdH. Identical to Talisman B except sapphire-tube cantilever..... $395
Talisman AT. Identical to Talisman S except aluminum/magnesium alloy cantilever with nude-mounted elliptical diamond stylus $225

Alchemist IIIs vdH Phono Cartridge
Phono cartrridge with "Intensified Focus" design for high output without slow transients, poor tracking ability, straining at high modulations. Features intense magnetic focus at coils concentrates energy to prevent virtually all losses and fringing effects. Sapphire rod cantilever with reduced mass stylus. FR 10-60,000 Hz; sep 30 dB at 1,000 Hz; tracking force 1.5-2.5 g; cartridge weight 6.7 g..... $495
Alchemist IIB vdH Phono Cartridge
Similar to Alchemist IIIs except boron-rod cantilever with reduced mass van den Hul Type I stylus. $475
Alchemist IA. Similar to Alchemist IIIs except aluminum/magnesium cantilever with nude-mount elliptical stylus $323

TECHNICS

EPC-205CMK4 MM P-Mount Cartridge
MM cartridge with ultra-low-mass-cantilever P-Mount cartridge features elliptical nude diamond; effective mass 0.019 mg; neodymium magnet. $250
EPC-205CMK4. Regular mounting $280

EPC-P310 MCMK2 MC Cartridge
MC cartridge with ultra-low-mass cantilever features output 1.2 mV at 5 cm/sec; sep 25 dB at 1,000; tracking force 1.25 g ±0.25 g; cartridge weight 6 g..... $200

EPC-P550 MM Cartridge
With ultra-low-mass cantilever. Output 2.5 mV at 5 cm/sec; sep 25 dB at 1,000 Hz; tracking force range 2.5 g ±0.25 g; cartridge weight 6 g; 0.3 x 0.7 mil elliptical diamond $130

EPC-P540 MM Cartridge
Output 2.5 mV cm/sec; sep 25 dB at 1,000 Hz; tracking force 1.25 ±0.25 grams; cartridge weight 6 g..... $95

EPC-P530 MM Cartridge
Output 2.5 mV at 5 cm/sec; sep 25 dB at 1,000 Hz; cartridge weight 6 g $80

Tonearm

EPA 250 S-Shaped Tonearm
Dynamically balanced tonearm with decoupled counterweight. Effective length 250 mm; tracking error +1x 6' at inner groove and +2x6' at outer groove..... $790

YAMAHA

MC-100 Moving-Coil Phono Cartridge
Features cross-matrix air-core moving-coil system; pure-beryllium tapered tubular cantilever; distinctive metal housing for high magnetic flux density; 9.5 g..... $300

MC-505 Moving-Coil Phono Cartridge
Features cross-matrix moving-coil system; pure-beryllium-tapered tubular cantilever; Low Temperature Dependency (LTD) equalizing damper; sendust core; 1-point suspension; resonance-free one-piece housing. 3.4 g..... $200

MC-501 Moving-Coil Phono Cartridge
Features cross-matrix moving-coil system; aluminum-tapered tubular cantilever; Low Temperature Dependency (LTD) equalizing damper; sendust core; resonance-free one-piece housing. 3.4 g $150

MC-10 Lo/High Output MC Phono Cartridge
Features cross-matrix moving-coil system; aluminum-tapered tubular cantilever; original equalizing damper; metal housing assembly $120

MC-21 MC/MM Phono Cartridge
Features MM/MC phono input compatibility; cross-matrix moving-coil system; aluminum tapered tubular cantilever..... $70

PRICES LISTED
are manufacturers' suggested retail prices
(also referred to as *list* prices);
actual selling prices are set by individual dealers.
All prices are subject to change without notice.



ACOUSTIC INTERFACE

Sound Prism Speaker
Vented-horn speaker with 24″ x 52″ compression woofer, 13″ x 22″ horn midrange, 7.25″ x 3″ horn tweeter, built-in triamplification (1,500 W/woofer, 300 W/midrange, 100 W/tweeter). Features midrange, tweeter level controls; oiled walnut or oak cabinet. FR 10-10,000 Hz ±1 dB; sens 105 dB SPL/W/m; crossovers 550 and 5,000 Hz; imp 8 ohms; 80 x 27 x 36 in; 500 lb $30,000/pr

Sound Portal Speaker
Vented-horn speaker with 24″ x 32″ compression woofer, 19″ x 7″ horn midrange, 5″ x 5″ horn tweeter. Features midrange, tweeter level controls; oiled walnut or oak cabinet. FR 15-20,000 Hz ±2.5 dB; crossovers 800 and 5,000 Hz; sens 101 dB SPL/W/m; imp 8 ohms; 60 x 25½ x 24 in. $10,000/pr

Studio Reference Speaker
Vented speaker with 12″ woofer, 15″ x 4″ horn midrange; 5¼ x 2″ horn tweeter. Features midrange, tweeter level controls; oiled walnut or oak cabinet; black cloth grille. FR 22-20,000 Hz ±2.5 dB; crossovers 880 and 5,000 Hz; sens 98 dB SPL/W/m; mim power 15 W; imp 8 ohms; 48 x 18½ x 16 in; 102 lb $3,180/pr

Professional Series II Speaker
Vented speaker with 12″ woofer; 2″ dome midrange; 1″ dome tweeter. Features midrange and tweeter controls; oiled walnut or oak cabinet; black cloth grille. FR 29-20,000 Hz ±2.5 dB; crossovers 800 and 6,600 Hz; sens 95 dB SPL/W/m; min power 15 W; imp 8 ohms; 36 x 18½ x 16 in; 80 lb $1,780/pr

Transcendent Speaker
Vented speaker with 12″ woofer, 1¼″ dome midrange/tweeter. Features midrange, tweeter level controls; oiled walnut or oak cabinet; black cloth grille. FR 38-20,000 Hz ±2.5 dB; crossover 1,900 Hz; sens 94 dB SPL/W/m; min power 15 W; imp 8 ohms; 24 x 16 x 14½ in; 51 lb. $980/pr

Intimate Speaker
Acoustic-suspension speaker with 10″ woofer, 1″ dome tweeter. Features tweeter level control; oiled walnut or oak cabinet; black cloth grille. FR 49-20,000 Hz ±2.5 dB; crossover 5,000 Hz; sens 93 dB SPL/W/m; min power 15 W; imp 8 ohms; 19 x 12 x 12 in; 29 lb. $580/pr

Shadow Speaker
Acoustic-suspension speaker with 8″ woofer, 1″ dome tweeter. Features cylindrical cabinet covered with black cloth grille. FR 69-20,000 Hz ±2.5 dB; crossover 5,000 Hz; sens 91 dB SPL/W/m; min power 15 W; imp 8 ohms; 24½ x 8¾ in $380/pr

Angstrom Speaker
Acoustic-suspension speaker with 6½″ woofer, 1″ dome tweeter. Features charcoal enamel cabinet; black cloth grille. FR 78-20,000 Hz ±2.5 dB; sens 90 dB SPL/W/m; min power 15 W; imp 8 ohms. 12⅞ x 7½ x 6½ in; 9 lb; walnut or oak finish $350/pr
Charcoal-enamel finish $250/pr

Tremor Subwoofer
Vented subwoofer with 2 woofers in separate subenclosures. Features oiled walnut or oak cabinet; black cloth grille. FR 29-200 Hz ±2.5 dB; sens 96 dB SPL/W/m; min power 15 W; imp 8 ohms; 27 x 63⅕ x 16 in; 150 lb ..... $1,090 ea
With 800 W/ch x 2 internal amplification $1,790 ea

ACOUSTIC RESEARCH

STC 666 Subwoofer/ Satellite System
New STC (Series Tuned Cavity) system. The STC subwoofer is small enough to be hidden leaving only the satellites visible. AR's propriety enclosure uses two tuned cavities in a series configuration. Uses a newly developed set of enclosure parameters to eliminate unwanted high frequencies that would allow the ear to pinpoint the position of the subwoofer. The first cavity works to increase efficiency of the loudspeaker in the bass frequencies and minimizes distortion by limiting woofer excursion near resonance. The second cavity acts as a high frequency output from the two 6″ woofers. The satellites feature a black cabinet with a choice of oak or walnut wood trim. Sattelites have shielded drivers for use in video systems $649/system

TSW Series
All TSW-series speakers feature drivers in a vertical array with Acoustic Blanket for precise stereo imaging, and polypropylene woofer and midrange drivers.

TSW-910 4-Way Speaker
Floor-standing columnar acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features two 12″ woofers (one front-firing, one rear-firing); 8″ lower-midrange driver; two 6.5″ midranges; 1″ titanium-dome liquid-cooled tweeter with acoustic lens; split crossover network. Power range 35-400 W; imp 4 ohms; FR -3 dB (half-power) points at 28 Hz and 32,000 Hz; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with cloth-covered and black-vinyl-veneer cabinet and black cloth grille. 52.81 x 15.75 x 18.5-in; 140 lb $2,200/pr

TSW-810 3-Way Speaker
Floor-standing columnar acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features two 10″ woofers (one front-firing, one rear-firing); two 6.5″ midranges; 1″ titanium-dome liquid-cooled tweeter with acoustic lens; split crossover network. Power range 25-250 W; imp 4 ohms; FR -3 dB (half-power) points at 33 Hz and 32,000 Hz; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with cloth-covered and black-vinyl-veneer cabinet and black cloth grille. 42.56 x 15.75 x 18.5-in; 95 lb $1,900/pr

TSW-710 3-Way Speaker
Floor standing columnar acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features two 8″ filled polypropylene cone long throw woofers; 6.5″ filled polypropylene cone midrange in its own subenclosure; .75″ titanium dome liquid cooled tweeter. Power range 15-175 W; imp 4 ohms; S/N -3 dB (half-power) points at 40 Hz and 40,000 Hz; sens 90 dB SPL with a 2.83 VRMS drive level input at 1 meter on axis. Solid American hardwood top and bottom (walnut or oak) with black vinyl veneer cabinet and black cloth space frame grille; 38.5 x 14.1 x 13.4-in; 46 lb $1,300/pr

TSW-610 3-Way Speaker
Floor-standing acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features 12″ woofer; 6.5″ midrange; 0.75″ titanium-dome liquid-cooled tweeter with acoustic lens. Power range 15-175 W; imp 4 ohms; FR -3 dB (half-power) points at 40 Hz and 40,000 Hz; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black cloth grille. 32.88 x 14.06 x 13.31-in; 57 lb$1,000/pr

TSW-510 3-Way Speaker
Floor-standing acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features 10″ woofer; 6.5″ midrange; 0.75″ titanium-dome liquid-cooled tweeter with acoustic lens. Power range 15-150 W; imp 4 ohms; FR -3 dB (half-power) points at 44 Hz and 40,000 Hz; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black cloth grille. 30.13 x 14.06 x 13.31-in; 49 lb. $800/pr

TSW-410 3-Way Speaker
Bookshelf acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features 8″ woofer; 6.5″ midrange; 0.75″ titanium-dome liquid-cooled tweeter with acoustic lens. Power range 10-100 W; imp 4 ohms; FR -3 dB (half-power) points at 46 Hz and 40,000 Hz; sens 89 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black cloth grille. 24.5 x 12.31 x 11.72-in; 30.5 lb..... $600/pr

TSW-315 3-Way Speaker
Bookshelf acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features 6.5″ woofer; 6.5″ woofer/midrange; .75″ titanium dome liquid cooled tweeter with Tetra-Helix mounting plate. Power range 10-100 W; imp 4 ohms; FR-3 dB points at 48 Hz and 40,000 Hz; sens 89 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black cloth grille.22.5 x 12.31 x 11.72-in; 30.5 lb. $550/pr

TSW-310 2-Way Speaker
Floor-standing acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features 10″ woofer; 0.75″ titanium-dome liquid-cooled tweeter with acoustic lens. Power range 10-100 W; imp 6 ohms; FR -3 dB (half-power) points at 45 Hz and 40,000 Hz; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black cloth grille. 27.75 x 12.31 x 11.72-in; 35.5 lb.... $540/pr

TSW 115P Powered Speakers
Fully self contained powered speakers with shielded drive units for video system capability. Drivers are in a vertical array with an Acoustic Blanket. Features 4″ filled polypropylene cone acoustic suspension woofer with electronic bass extension equalization. .75″ titanium dome liquid-cooled shielded tweeter with Tetra-Helix mounting plate. Power LED; volume control; input/output panel with 2 DIN plug for audio output to accessory speaker, and stereo receptacle for audio input. Solid walnut or oak top and bottom, black-vinyl-veneer cabinet. $400/pr

TSW-210 2-Way Speaker
Bookshelf acoustic-suspension speaker with Tetra-

Helix tweeter mounting plate. Features 8″ woofer; 0.75″ titanium-dome liquid-cooled tweeter with acoustic lens. Power range 10-100 W; imp 8 ohms; FR -3 dB (half-power) points at 54 Hz and 40,000 Hz; sens 87 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black cloth grille. 17.56 x 9.81 x 8.4-in; 15.3 lb $380/pr

TSW-110 2-Way Speaker
Bookshelf acoustic-suspension speaker with Tetra-Helix tweeter mounting plate. Features 6.5″ woofer; 0.75″ titanium-dome liquid-cooled tweeter with acoustic lens. Power range 10-75 W; imp 8 ohms; FR -3 dB (half-power) points at 68 Hz and 40,000 Hz; sens 88 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black cloth grille. 14.94 x 9.81 x 8.4-in; 14 lb. $280/pr

Partners Series

Party Partner
Bookshelf/floor standing acoustic suspension 2 way speaker system. Features 10″ long throw woofer, 1.14″ liquid cooled dome tweeter. Sens 89 dB SPL with a 2.83 VRMS drive level input at 1 meter on axis. Power range 20-100 W; FR-3 dB points at 48 Hz and 22,000 Hz with an effective Qof 1.15 at resonance; imp 8 ohm. Triangular cabinet 14 x 23.63 x 15.38-in; 30 lb $450/pr

Powered Partner Speaker
Acoustic-suspension booskshelf 2-way speaker with shielded drivers for use with TV and personal stereo systems. Features built-in equalized amp; on/off switch; volume and tone controls; AC/DC inputs; 4″ long-throw woofer; 1″ liquid-cooled tweeter. Can be placed on top or near TV, hung on a pole, mounted on wall, or clamped to a shelf with optional clamps. FR 50-25,000 Hz ±3 dB; imp 10 kilohms. Black aluminum finish. Triangular shape 6 x 10.5 x 7.62-in d; 7 lb ea $400/pr

Rock Partner 2-Way Speaker
Acoustic-suspension floor-standing or bookshelf speaker with 8″ long-throw woofer and 1.25″ liquid-cooled cone tweeter. Triangular shaped with versatile mounting placements and options. FR 65-22,000 Hz ±3 dB; max power 100 W rms; sens 88 dB SPL/W/m; imp 8 ohms. Black vinyl veneer. 14.75 x 9.5 x 8.75-in; 15 lb ea $300/pr

Environmental Partner 2-Way Speaker
Weather-resistant acoustic-suspension speaker with triangular shape for versatile mounting options. Features 4″ long-throw polypropylene woofer; 1″ liquid-cooled polymer cone tweeter. Power range 7-75 W; imp 6 ohms; FR 95-25,000 Hz ±3 dB; sens 88 dB SPL/W/m. Die-cast aluminum case and endcap. 6 x 10.5 x 7.63-in; 6 lb ea $300/pr

Active Partners
Self contained powered 2-way speaker system with shielded drive units and versatile mounting system. Features 4″ long throw woofer and liquid cooled 2″ tweeter. Amp power 24 W. Comes with AC/DC power supply $270/pr

AR1MS Miniature Speaker
Acoustic-suspension speaker with rigid deep-drawn aluminum cabinet. Threaded inserts on rear allow multiple mounting options. 4″ cone woofer; 1″ dome tweeter. FR 95-25,000 Hz ±3 dB; power range 7-75 W; sens 95 dB SPL/W/m; imp 4 ohms; satin black finish; 7.62 x 4.75 x 4.8-in; 4.5 lb $280/pr

a/d/s/

Monitor Series

M15 Floor-Standing 3-Way Speaker
Vertically aligned "unison" drivers (2 10″ woofers and 5.25″ midrange in separate subenclosure, 1″ dome tweeter); woofers near floor, midrange at top, to control boundary effects; copolymer diaphragms; 4th-order (24 dB per octave) Linkwitz-Riley crossovers at 200 and 2,000 Hz; stainless-steel voice-coil former; magnetic cooling fluid in midrange and tweeter for high power handling and dynamic linearity; frameless perforated-steel grilles; walnut veneer or black. FR 30-22,000 Hz ±3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 47.3 x 11.5 x 15.8-in; 105 lb $3,000/pr
M12. Similar to M15 except 8″ woofers; FR 36-22,000 Hz ±3 dB; sens 88 dB SPL/W/m; 43.3 x 10.5 x 14.2-in; 85 lb $1,900/pr
M9. Similar to M12 except 1 10″ woofer; 33.7 x 11.5 x 13-in; 80 lb $1,400/pr

Compact Monitor Series

CM7 3-Way "Unison" Speaker
7″ woofer, 1.5″ dome midrange, 1″ dome tweeter; copolymer diaphragms; 4th-order Linkwitz-Riley crossovers at 700 and 2,000 Hz; voice-coil formers of stainless steel for woofer and Kapton for midrange and tweeter; magnetic cooling fluid in midrange and tweeter for high power handling and dynamic linearity; enclosure molded from polymer resin filled with metallic mineral for high density and inertness; frameless perforated steel grille. Black or white. FR 40-22,000 Hz ±3 dB; sens 87 dB SPL/W/m; imp 4 ohms; 16.4 x 8.8 x 10.9 in; 45 lb $1,400/pr
CM6. Similar to CM7 except 2-way, with 6″ woofer and 1″ tweeter; 2,000-Hz crossover; FR 50-22,000 Hz ±3 dB; 12.7 x 7.3 x 8.9-in; 33 lb. $900/pr
CM5. Similar to CM6 except 5.25″ woofer; FR 65-22,000 Hz ±3 dB; sens 86 dB SPL/W/m; 9.7 x 5.7 x 6.9-in; 22 lb. $650/pr

B8 Two Way Speaker
Bookshelf 2 way speaker with 1″ dome tweeter and 8.5″ Stifflite woofer. Power handling 15-125 W; FR44-22,000 Hz; imp 4 ohms; crossover freq. 2,000 Hz; 19.7 x 11.4 x 10.3 in; 25 lb; black $500/pr

B7 Two Way Speaker
Bookshelf 2 way speaker with 1″ dome tweeter and 7.7″ Stifflite woofer. Power handling 15-100 W; FR46-22,000 Hz; imp 4 ohms; crossover freq 2,400 Hz;17.1 x 10 x 9.1 in; 19 lb; black. $420/pr

Miniature Speakers

300CC 2-Way Acoustic-Suspension Speaker
5.25″ high-compliance long-excursion Stifflite woofer, 1″ soft-dome tweeter. Features aluminum enclosure (black textured urethane with convex-steel grille). Available on special order in 6 custom colors with matching grilles and brackets (black, light grey, dark grey, beige, mocha, white). FR 65-20,000 Hz ±3 dB; crossover 2,000 Hz with 12 dB/octave slope; sens 89 dB SPL/W/m; rated input 50 W continuous, 75 W peak program; imp 4 ohms $430/pr

200CC 2-Way Acoustic-Suspension Speaker
4″ high-compliance ultra-long-excursion woofer, 1″ soft-dome tweeter; brushed-aluminum enclosure (textured urethane with convex-steel grille). Available on special order in 6 custom colors with matching grilles and brackets (black, light grey, dark grey, beige, mocha, white). FR 85-20,000 Hz ±3 dB; crossover 2,000 Hz with 12 dB/octave slope; sens 88 dB SPL/W/m; rated input 30 W continuous; min input 5 W; imp 4 ohms. 6.88 x 4.25 x 4.75-in$330/pr

ADVENT

The Advent Maestro
Acoustic-suspension floor-standing speaker with solid-pecan top and base with beveled edges, anti-diffraction baffle cover, and grille with rounded side edges. Features 10″ black cone and surround woofer; 2″ mica-filled black polypropylene-dome midrange in subenclosure; 1″ ferrofluid-filled soft-dome tweeter. FR 40-23,000 Hz ±2.5 dB; min power 150 W rms; max power 750 W peak; sens 90 dB SPL/W/m; imp 6 ohms. 50 lb; 33.25 x 16 w x 9.75-in $700/pr

The Advent Legacy
Acoustic-suspension floor-standing liquid-cooled speaker with solid-pecan top and base with wrap-around grille. Features 10″ high-excursion cone woofer with aluminum-coil form; 1″ ferrofluid-filled soft-dome tweeter. FR 42-23,000 Hz ±3 dB; min power 100 W rms; max power 500 W peak; sens 88 dB SPL/W/m; imp 8 ohms. Black texture vinyl finish over dense fiberboard. 46.5 lb; 28.25 x 16 x 9.75-in $399/pr

Mini-Advent Subwoofer System
Complete compact size subwoofer system which includes the Mini Advent (below) two 5.25″ high excursion woofers, two 5.25″ high excursion mid-ranges, and two .5″ polycarbonate ferrofluid-filled tweeters. FR 60-21,000 Hz ±3 dB; imp 6 ohms. Power handling 55 W rms, 165 W peak. 7 x 12 x 6.5-in; 11 lb. $180/ea
Total Subwoofer System with Mini Advent... $380

Advent Prodigy Tower
2 way floor standing speaker with .75″ polyamide ferrofluid-filled tweeter and 8″ high excursion woofer. 300 W peak 75 W rms. Finished in an oiled solid



pecan wood top and base. 28.5 x 10.03 x 8.78-in; 25.25 lb $350/pr

Advent Baby II
2 way bookshelf speaker with 6.5″ woofer and .5″ polycarbonate ferrofluid-filled hard dome tweeter. 50 W rms, 150 W peak' FR 60-21,000 Hz ±3 dB; imp 6 ohms. Oiled solid wood top with black texture vinyl over dense fiberboard. 16.5 x 11 x 6.19-in; 13 lb $250/pr

Mini Advent
Compact size speaker with 5.25″ high excursion woofer and .5: polycarbonate ferrofluid-filled tweeter. FR 110-21,000 Hz ±3 dB. imp 6 ohms; maximum power handling 40 W continuous, 120 W peak. Cabinet features solid pecan wood top panel with black foamed polystyrene speaker surrounds. 11 x 6.5 x 5.13-in; 10 lb ..... $200/pr.

ALLISON ACOUSTICS

Prices may be slightly higher in some areas.

IC-20 Image-Control Speaker
Triangular acoustic-suspension tower speaker with 1 side facing wall, 1 side facing in, 1 facing out; each side facing away from wall has 10″ woofer, 2 3.5″ convex midranges, 2 1″ convex tweeters; relative balance of mids and tweeters on each panel may be adjusted by remote control or with switch on rear to direct more sound in (for precise imaging with more direct and less reflected sound), out (for open and spacious ambience with more reflected and less direct

sound), left, right, or centered (for equal amplitude at off-center listening positions); level of each panel has 3 possible settings; LED's on center of speaker display setting; drivers positioned to minimize room interaction; inside woofer pointed into cabinet, outside woofer pointing out; separate inputs for woofers and for mids and tweeters for easy biamping; auto-resetting resistors in each crossover; cabinet panels 0.75"-1.25" thick, braced front-to-back and between panels; interior damped with glass fiber; passive parallel half-section crossovers at 350 and 3,750 Hz; oak, walnut, or black. FR −3 dB at 28.5 Hz, −8 dB at 21 Hz; imp 6 ohms nominal, 8 average, 5 min; power range 30-400 W/ch; sens 87 dB SPL/2.83 V/m; 48 x 21 x 12 in; 100 lb. $4,900/pr

CD9 3-Way Floor-Standing Speaker
Stabilized-radiation-loading speaker with 10" woofer, 3.5" convex-diaphragm midrange, 1" convex-diaphragm tweeter, designed for placement against single wall. LC half-section crossover network; switches to select system acoustic power response (flat to concert-hall balance slope); walnut or oak-veneer cabinet with hand-rubbed lacquer finish; steel base. FR down 3 dB at 35.5 Hz; crossovers 350 and 3,750 Hz; imp 4 ohms; efficiency 0.7% at floor/wall intersection; power range 30-200 W; 37.5 x 12.5 x 10.75-in $1,300/pr

CD8 3-Way Floor-Standing Speaker
Stabilized-radiation-loading speaker with 8" woofer, 3.5" convex-diaphragm midrange, 1" convex-diaphragm tweeter. LC half-section crossover network with switches to select system acoustic power response from flat to concert-hall slope. Walnut- or oak-veneer cabinet with hand-rubbed lacquer finish. Crossover frequencies 450 and 3,750 Hz; efficiency 0.7%; power range 30-200 W; response −3 dB at 39 Hz; 28.62 x 10.5 x 10.5-in.. ..... $950/pr

CD7 2-Way Floor-Standing Speaker
Stabilized-radiation-loading speaker with 8" woofer, 1" convex-diaphragm tweeter, designed for placement against single wall. LC crossover network with premium chokes, computer-grade capacitors; walnut- or oak-veneer cabinet with hand-rubbed lacquer finish. Crossover 2,000 Hz; response −3 dB at 41 Hz; imp 4 ohms; power range 15-150 W; 26.5 x 9.62 x 9.62-in $600/pr
CD6. Same as CD7 except for wall or shelf mounting; response −3 dB at 46.5 Hz; 11.25 x 11.25 x 11.25-in $460/pr

Series LC 100 Speakers
2-way stabilized-radiation-loading speakers which perform optimally standing on floor away from walls. All have walnut-grain vinyl cabinet and Allison convex-diaphram 1" tweeter; LC crossover network with 2 chokes and premium capacitors. Crossover at 2,000 Hz; sens 90 dB SPL/2.83 V/m; power range 15-150 W.

LC 145. 8" woofer; response -3 dB at 35.5 Hz. 25 x 15.63 x 7.5-in $420/pr
LC 120. 8" woofer; response −3 dB at 41 Hz. 21.75 x 13.75 x 7.5-in $350/pr
LC 110. 8" woofer; response −3 dB at 46.5 Hz. 18 x 11.5 x 7.5-in; available in oak and black vinyl finishes $290/pr

Mini Speakers

Mini 2P Powered Speaker
Mini speaker with 4" long throw woofer and 1" dome tweeter. LC type crossover operating at 2,000 Hz. Sens 90 dB SPL, 2.83 v/1M. Power range 5-50 W; imp 6 ohms. 7.3 x 4.6 x 4.4-in; ..... $359 set

Mini 2
Similar to above except not powered. Power handling 5-50 W/ch; imp 6 ohms $198/pr

Mini 2 SW Subwoofer
Less than 1 cubic foot compact subwoofer with 8" woofer and two complete crossover networks operating at 150 Hz. Sens 90 dB SPL 2.83 v/1M; power handling 10-100 W; imp 4 ohms. 11.25 x 11.25 x 11.25-in $289/ea

Mini 2 & Mini 2 SW 3 Piece System $459/set
Wall Brackets for Mini 2 and 2P $50/pr

ALTEC LANSING

Bias 550 Pentamplified Speaker System
Six speaker system with two 10" carbon fiber subwoofers, 8" carbon fiber woofer, 6" carbon fiber upper midrange coupler, diamond-coated polyimide 2" upper midrange, and 1" tweeter. Amplification (five way powered system), subwoofer 250 W 4 ohms, woofer 125 W 8 ohms, midrange 125 W 8 ohms, upper midrange 125 W 8 ohms, tweeter 75 W, 8 ohms. FR 20-22,000 Hz ±2 dB $12,000

510 3-Way Tower Speaker
Acoustic suspension speaker with bi-amp capability and adjustable crossover with two 10" carbon fiber woofers, 2" midrange, 1' dome tweeter, each with polyimide vacuum deposited titanium. Power range 150 W nom.- 300 W max; sens 93 dB W/m; imp 4 ohm; 46 x 12 x 13.5-in $1,500/pr

508 3-way Tower Speaker
Acoustic suspension with two 8" woven carbon fiber cones, 2" midrange, 1" tweeter, each with polyimide vacuum-deposited titanium housed in walnut veneer high density pressed-wood cabinet. FR 40-20,000 Hz ± 3 dB; sen 90.5 dB SPL W/m; power handling 125 W-250 W max; 40 x 10.5 x 11 in $1,000/pr



OR YOUR MONEY BACK!

From Ortofon of Denmark, a new generation of moving coil cartridges designed to match perfectly any standard phono input, without the need for an expensive step-up device.

These products incorporate such advanced technology and provide such clarity, depth and musical detail that to adequately describe them here is impossible.

So instead, we want to describe the only features of these great phono cartridges that you really care about, THEY SOUND BETTER! We're so confident that any of these new cartridges will make your records sound better than the one you're listening to now, we guarantee* it!

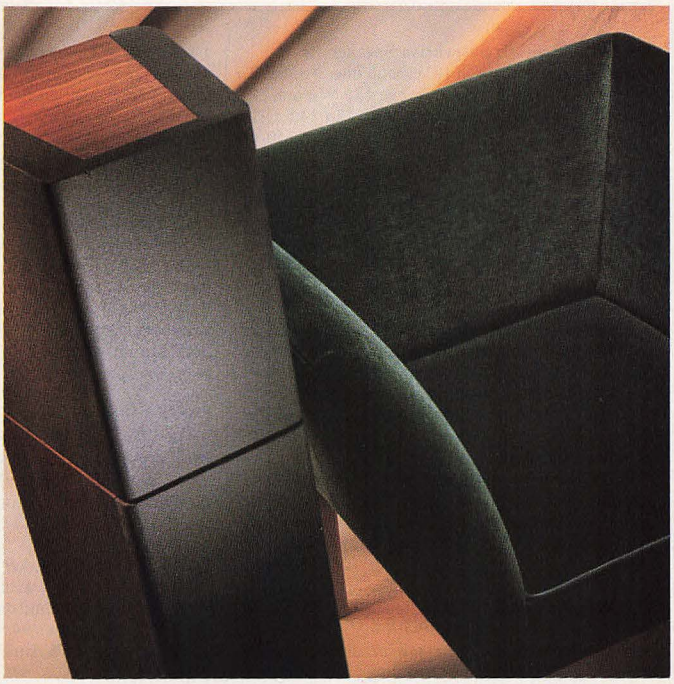
Purchase any cartridge from a participating authorized Ortofon Dealer. They're affordably priced. Compare the sound from your records. Even compare it to compact discs. If you're not 100% convinced that a new Ortofon X-Series High Output Moving Coil Cartridge sounds better than your old phono cartridge, return it to your dealer for a prompt refund*.

*Your participating authorized Ortofon Dealer has all the details on this Better Sound Guarantee.

CIRCLE NO. 81 ON READER SERVICE CARD
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FORM AND FUNCTION









Epicure Products Incorporated understands that creating loudspeakers of the highest fidelity and refinement requires a balance of inspired engineering and unconventional artistry. Only then can we reinvent form and function to bring you realistic sound from speakers of real beauty. Write for our brochure. Epicure Products Incorporated, 25 Hale St., Newburyport, MA 01950. H A Harman International Company

EPICURE

LOUDSPEAKERS

CIRCLE NO. 12 ON READER SERVICE CARD

305 3-Way Acoustic Suspension Speaker
Acoustic suspension with 10″ carbon fiber woofer; 2″ midrange; 1″ tweeter. Power range 125 W nom-250 W max; sens 93 dB W/m; imp 8 ohm; 27 x 14.5 x 12-in $750/pr

205 3-Way Speaker
Acoustic-suspension speaker with 8″ carbon fiber woofer, 2″ midrange and 1″ polyimide/titanium tweeter. Power handling 75 W nom - 150 W max; sens 91 dB W/m; imp 6 ohm 22 x 12 x 9-in ... $550/pr

105 Bookshelf Speaker
2-way acoustic suspension speaker with 6″ carbon fiber woofer and 1″ polyimide/titanium tweeter. FR 50-20,000 Hz ±3 dB; power range 50 W nom-100 W max; sens 91 dB SPL/W/m; imp 6 ohm; 17 x 9.5 x 8.5-in $350/pr

95 3-Way Speaker
Acoustic suspension speaker with 8″ carbon-filled polypropylene woofer; 4″ midrange; 20mm polyimide dome tweeter. FR35-22,000 Hz; power handling 75 W nom-150 W max; sens 92 dB SPL/W/m; 22 x 12 x 9-in $300/pr

85 2-Way Bookshelf Speaker
Acoustic suspension speaker with 6.5″ carbon-filled polypropylene woofer; 20mm polyimide dome tweeter. FR 35-22,000 Hz; power handling 50 W nom-100 W max; sens 92 dB SPL;17 x 9.5 x 8.5-in .. $200/pr

55 Weatherproof Speaker
Compact indoor/outdoor speaker. 2-way acoustic suspension with 4″ carbon fiber cloth woofer reinforced with epoxy and a 20mm polyimide dome tweeter. FR 85-20,000 Hz ±3 dB power range 40 W nom-80 W max; nominal impedance 4 ohm; 9.38 x 7 x 5.31 in $250/pr

PSW-10 Active Subwoofer
Powered subwoofer with a built-in 100 W amplifier. Features 10″ carbon fiber woofer. FR 26-150 Hz ±3 dB. Input imp line amp 7,000 ohms; 17.5 x 17.5 x 17.5-in $800/ea

AMBRIA BY PARASOUND

S-2000 5-Piece System
Subwoofer obelisk with 6 drivers; 4 satellite 2-way speakers (for pole, wall, ceiling mount with Ambria fixtures); black or white; subwoofer hand-rubbed piano-grade lacquer. FR 28-22,000 ±3 dB; sens 92 dB; imp >4 ohms with up to 10 satellites; subwoofer 12 x 12 x 46 in $1,750/system
S-1000. Similar to S-2000 except 3 pieces; subwoofer obelisk has 4 drivers; 2 satellite speakers. FR 35-22,000 ±3 dB; imp >4 ohms with up to 6 satellites. Subwoofer 9 x 9 x 35 in $900/system
S-100. Extra satellite speakers for S-1000 and S-2000 systems. Black or white $335/pr

S-150 2-Way Link Speaker
Molded enclosure; volume control; black or white. FR 70-22,000 Hz ±3 dB; sens 92 dB $495/pr

AMERICAN ACOUSTICS

PSW-200 Powered Subwoofer
Fifth order crossover network with parametric EQ. LED display and individual gain, frequency and boost controls. 15″ vented; 15″ polymer coated; 2″ voice coil; FR 28-80 Hz; user adjustable sens; power handling 400 W/rms;19.5 x 22.5 x 18.75 in $699 ea

D9550 5-Way Tower Speaker
12″ 5-way speaker. Features 12″ polymer foam surround woofer; 2-5″ sealed back with ferrofluid midrange; 1 soft-dome polymer tweeter; 1 3″ cone tweeter; crossover frequency 600 Hz; FR 32-22,000 Hz; sens 99.5 dB/W/m; imp 8 ohm; peak power handling 410 W; warm oak or black ash finish; 40.88 x 15.94 x 14.56 in ..... $400 ea

D8550 3 Way Speaker
Vented speaker with 15″ polymer coated woofer; 5″ sealed back ferrofluid damped midrange; soft dome polymer ferrofluid tweeter. FR 37-22,000 Hz; sens 98.5 dB W/m; imp 4/8 ohm; crossover frequency 700 Hz, 5,000 Hz; power handling 205 W/rms, 410 W/peak; 30.38 x 18.5 x 14.5 in ..... $350 ea

D5550 4 Way Speaker
Vented design with 15″ polymer coated woofer, 5″ sealed back ferrofluid midrange; soft dome polymer ferrofluid tweter, 3″ come ferrofluid tweeter. FR 43-22,000 Hz; sens 96.5 dB W/m; imp 4/8 ohm; crossover frequency 1,700 Hz, 6,000 Hz; power handling 120 W/rms, 240 W/peak; 27 x 15.5 x 10.25 in ..... $230 ea

D4550 3 Way Speaker
Vented design with 10″ polymer woofer; 5″ sealed back ferrofluid midrange; soft dome ferrofluid tweeter. FR 45-22,000 Hz; sens 95.5 dB W/m; imp 4/8 ohm; power handling 80 W/rms, 160 W/peak; 24 x 15 x 10 in ..... $170 ea

D3550 Bookshelf Speaker
2 way vented design with 8″ polymer woofer; soft dome polymer ferrofluid damped and cooled tweeter. FR 60-22,000 Hz; sens 94.5 dB W/m; imp 4/8/ ohm; power handling 45 W/rms, 90 W/peak; 18.5 x 11.25 x 8 in ..... $120 ea

D2550 Bookshelf Speaker
2-way vented bookshelf speaker with 6.5″ polymer woofer; soft dome polymer ferrofluid tweeter. FR 65-22,000 Hz; sens 91.5 dB W/m; imp 4/8 ohm; power handling 40 watts continuous, 80 watts peak; 12.75 x 9.38 x 7 ..... $100 ea

ANGSTROM ASSOCIATES

Reflexion 3-Way Speaker
Floor standing 3-way tuned port speaker with 25 mm polyamide dome tweeter, twin 205 mm polymere loaded polypropylene low/mid frequency drivers with butyl suspension. FR 35-20,000 Hz ±2 dB; dynamic power range 7-200 W at 10% clipping; crossover 250 Hz difference filter 2,000 Hz acoustic Butterworth; sens 95 dB SPL/2.83 vrms at IM;nominal imp 6 ohms; 31.5 x 10.5 x 12.5-in 97 lb/pr $995/pr/w/stands

Reference 2-Way Speaker
Floor standing 2-way tuned port speaker with 25 mm ferrofluid cooled cloth dome tweeter; 205 mm polymere loaded polypropylene woofer with butyl suspension. FR 37-20,000 Hz ±2 dB; dynamic power range 10-150 W at 10% clipping; crossover 2,500 Hz acoustic Butterworth; sens 90 dB SPL/2.83 vrms at IM; nominal imp 8 ohms; 24.25 x 10.5 x 12.5-in; 72.5 lb/pr $795/pr/w/stands

New Image 2-Way Speaker
2-way tuned-port design with 25mm ferrofluid cooled cloth dome tweeter, 200 mm polymere loaded polypropylene woofer with neoprene suspension. FR 37-20,000 Hz ±2 dB; dynamic power range 12-100 W at 10% clipping; crossover 2,500 Hz asymetrical 2nd order; sens 89 dB SPL/2.83 vrms at IM; imp 8 ohms; 12.5 x 10.5 x 12.5-in; 70 lb/pr $550/pr

Radix Series

Radix 500 Floor Standing Speaker
3-way, tuned port speaker with twin low/mid drivers of 200mm polymer loaded polypropylene with butyl suspension, 25mm hi-temp voice coil, with aluminum former. 25mm polyamide ferrofluid cooled dome tweeter. FR40-20,000 Hz ±2dB; sens 94 dB SPL 2.83 vrms at 1 m; power range 7-150 W; imp 6 ohms. 43.5 x 9.5 x 9.375-in; 55 lb $800/pr

Radix 400 Floor Standing Speaker
3-way, tuned-port speaker with twin low/mid drivers of 165mm polymer loaded polypropylene with butyl suspension, 25 mm hi-temp voice coil, with aluminum former. 25 mm polyamide ferrofluid cooled dome tweeter. FR 40-20,000 Hz ±2dB; sens 93 dB SPL 2.83 vrms at 1 m; minimum power 10 W; max power handling 100 W; imp 6 ohms. 37.5 x 8.5 x 9.375-in; 37.5 lb $650/pr

Radix 300 Bookshelf Speaker
2-way, tuned-port speaker with low/mid driver of 200mm polymer loaded polypropylene with butyl suspension, 25mm hi-temp voice coil with aluminum former. 25mm fabric fabric dome tweeter. FR 45-20 Hz ±2 dB; sens 91 dB SPL 2.83 vrms at 1M; power range 12-85 W; imp 8 ohms. 24.5 x 9.5 x 9.375-in; 27.5 lb $475/pr

Radix 200 Bookshelf Speaker
2-way, tuned-port speaker with low/mid driver of 200mm polymer loaded polypropylene with butyl suspension, 25mm hi-temp voice coil with aluminum former. 19mm polyamide dome tweeter. FR 50-20,000 Hz ±2 dB; sens 89 dB SPL 2.83 vrms at 1M; power range 15-70 W; imp 8 ohms. 18.8 x 8.5 x 9.375-in; 18 lb $350/pr

APOGEE ACOUSTICS

Diva 3-Way Ribbon Speaker
Full-range ribbon speaker with adjustable seamless crossover. Features trapezoidal woofer ribbon; separate midrange and tweeter ribbons. SPL 115 dB; imp 4 ohms. 73 x 31 x 3-in;150 lb ea $7,500/pr

Scintilla Full-Range Ribbon Speaker
Full-range ribbon speaker with internal seamless crossover. Features trapezoidal woofer ribbon; integrated, coalescent midrange/tweeter ribbon that utilizes filed magnetic and electromagnetic constraints. SPL 110 dB; imp 4 or 1 ohms. 57 x 30 x 3.5-in; 140 lb ea $3,995/pr

Duetta 2-Way Ribbon Speaker
Mid-size 2-way full-range ribbon speaker. Utilizes ribbon transducers for both midrange/tweeter and woofer. Features trapezoidal woofer ribbon; combination midrange/tweeter ribbon; internal seamless crossovers. SPL 100 dB; imp 4 ohms. 58 x 26 x 3-in; 115 lb ea $3,495/pr

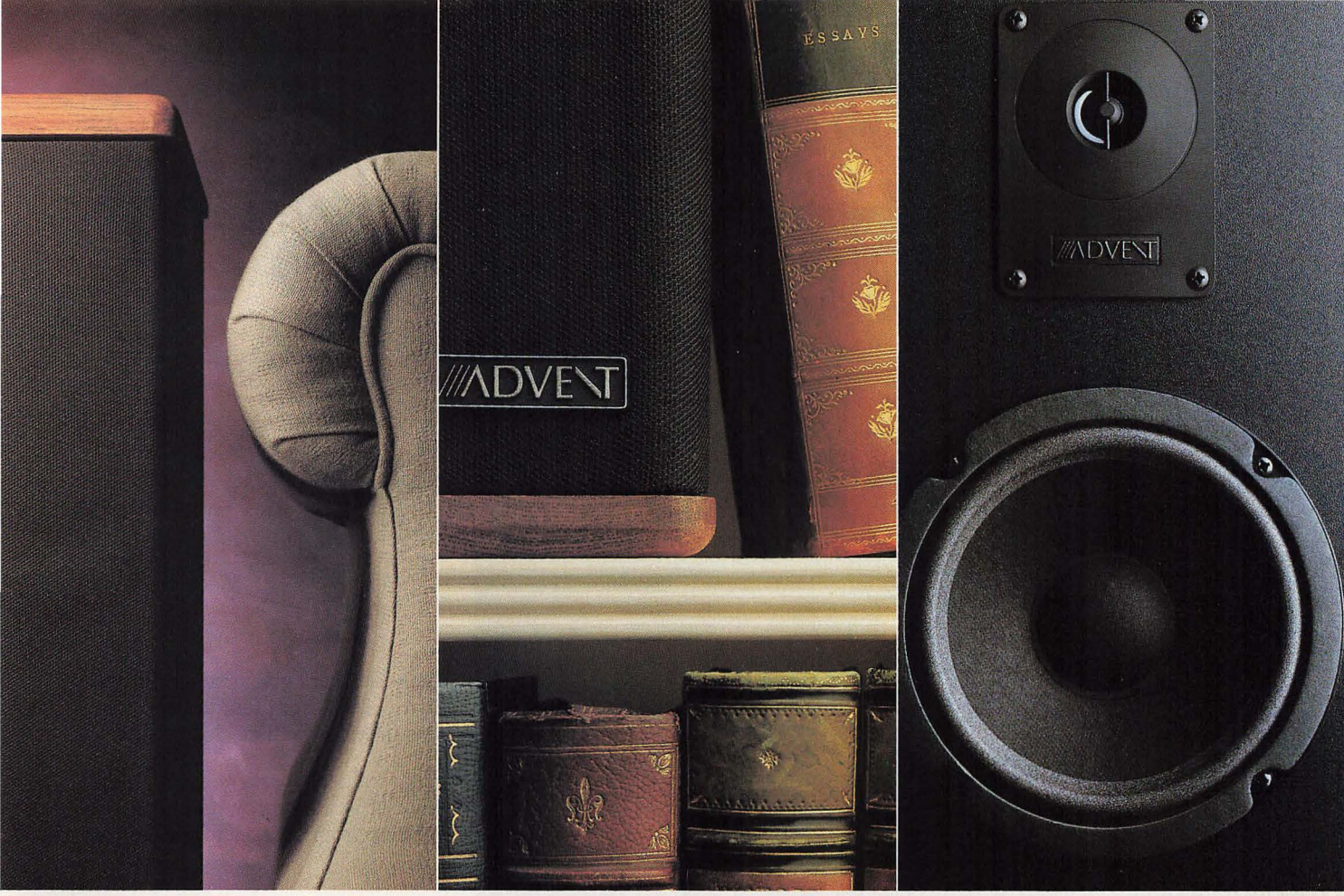
Dedicated Active Crossover. For Diva and Duetta Speakers. For use with with balanced amps or single ended amps. LED display indicates levels of woofers and midrange/tweeter $3,250

Caliper 2-Way Ribbon Speaker
Mid-size 2-way full-range ribbon speaker. Features trapezoidal woofer ribbon; narrow-canted combination midrange/tweeter ribbon; seamless crossover circuitry. SPL 105 dB; imp 3 ohms. Taupe or grey finish. 48 x 24 x 2-in; 70 lb ea $2,395/pr

ARCAM

Arcam One+ Speaker
Solid-construction, reflex-loaded cabinets with ultra-rigid medite front baffles. Features genuine wood veneers; polymer coned bass-midrange match proprietary dome tweeters via 8-element crossovers; FR 35-20,000 Hz; 100 W power handling; imp 8 ohms; optional walnut or black finish. 10.15 x 12.48 x 20.20 in $799/pr

Arcam Two+ Speaker
Solid-construction, reflex-loaded cabinets with ultra-rigid medite front baffles. Features genuine wood veneers; polymer coned bass-midrange match proprietary dome tweeters via 8-element crossovers, which may be biwired using separate cable runs from the amplifier to the bass/midrange and treble sections; FR 42-20,000 Hz; 70 W power handling; imp 8 ohms; optional walnut or black finish. 8.77 x 11 x 14.88 in $599/pr



FROM THE PEOPLE WHO GIVE YOU ACCURATE SOUND, NOW COMES MORE ROOM TO ENJOY IT.

INTRODUCING THREE SPACE-SAVING LOUDSPEAKERS FROM ADVENT. Now you can enjoy the accurate sound of Advent® in more places than ever. Our three new speakers give you the clean, clear sound you expect from Advent, yet take up less space to do it.

THE MINI-ADVENT AND MINI-ADVENT SUBWOOFER SYSTEM. Mini-Advents are the perfect size for bookshelves. Desks. Even walls and ceilings, using our optional mounting brackets. They're small, but get big sound with 5¼" high excursion woofers, polycarbonate tweeters, 120 watts peak power and a tuned bass port. Or, add our subwoofer. It gives Mini-Advents the bass of a much larger system and creates exceptional stereo imaging for audio/video or surround sound systems.

THE PRODIGY TOWER. Taller and thinner than our still-famous Advent Prodigy, the Prodigy Tower gets maximum sound using minimum floorspace. How? With 300 watts peak power, a more efficient 8" woofer and a polycarbonate dome tweeter for improved dispersion.

THE BABY II. Last, but not littlest, is the improved Baby Advent. Just as compact as the original Baby, but with a couple of changes that show it's maturing quite nicely. Like a ferrofluid-filled polycarbonate dome tweeter and readjustable logo for horizontal and vertical speaker placement.

All three new Advents have natural wood tops and bases. Even if you never hooked them up, they'd make great looking furniture.

Come in to your nearest Advent dealer and listen to the new Mini-Advent, Prodigy Tower and Baby Advent. And don't worry about the crowds. With these speakers, there's always plenty of room.

DIGITAL READY



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Sound as it was meant to be heard.

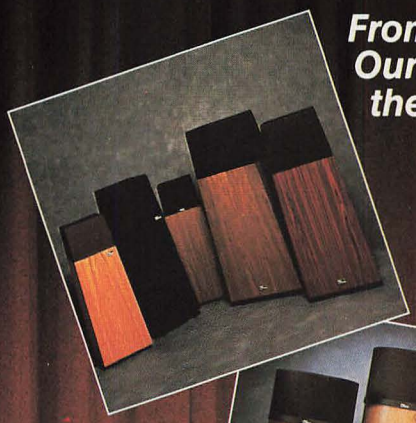
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CIRCLE NO. 73 ON READER SERVICE CARD

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Ohm CLS Drivers Make Your Speakers Disappear

From Our $5000 Walsh 5 to Our $600 Sound Cylinders the Critics are Impressed.









Ohm speakers give a stereo image that is solid from font to back, up and down as well as side to side.

Conventional speakers usually produce at best a narrow flat image extending from speaker to speaker.

Stereo Review *1-88*

"The sound of the Ohm Sound Cylinders was smooth, balanced and thoroughly enjoyable, well beyond what anyone would expect from such a small, light speaker. Its dispersion was subjectively complete, and we were never aware of the speakers as distinct sound sources, no matter how much we moved around the room...these speakers certainly offer impressive value for their price and size."[3]

Ohm

Stereophile 8-88

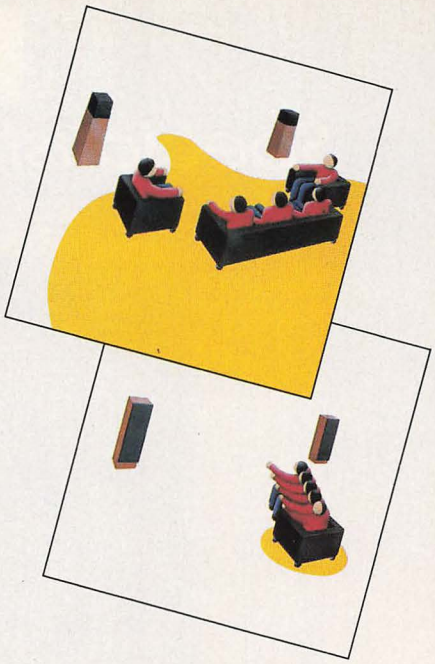
"...The Walsh 5 is a full-range speaker that is quite clean and images well...a Great American Speaker...one of the few dynamic speakers that my jaded electrostatic taste buds could live with...a clear Class B choice"-the highest rating any speaker has yet received.[1]

Audiophile File 1-88

"This speaker is sonicly invisible at most times, and only a rare few times was I able to distinguish the output of a speaker as opposed to the music field as a whole." ...This speaker is *the* most group friendly speaker I have ever auditioned, bar none...the sound stage presentation remains constant over a large area. I rate the Ohm 4XO a 'must buy'"[5]

Audio 6-88

"The Walsh 5 is one of the cleanest speakers available...I perceived remarkable depth and spaciousness to music well recorded in a concert hall. This spaciousness did not result in a vague mass of sound: image location is sharply defined and accurately placed...They are a masterpiece of the speaker designer's art."[2]



With Ohm speakers everyone in the listening area gets full spatial fidelity.

With conventional speakers only at a small centered sweet spot can a single listener hear a decent stereo image.



With Ohm speakers the stereo image spreads all across the sound stage even when you move away from the center of the room

With conventional speakers the entire performance seems to only come from the speaker nearest you.

New York Times 3-88

"...the various frequencies emerge in their natural phase relationship--more than in conventional designs. To what extent this accounts for the speakers fine sound may be debatable, yet there is no question that the Ohm Sound Cylinders represent an excellent bargain, with a clarity and richness of sound rarely found in a speaker of this size and price."[4]

High Fidelity 1-88

"Ohm's smallest Sound Cylinders are a reasonable value for your dollar. That value goes up if you need a speaker that can perform well in a variety of room placements. And if your interior decorator falls to pieces at the mere mention of floor-standing loudspeakers, head straight for your Ohm dealer."[6]

Find out about buying, directly from the factory by calling toll free 800-221-6984

CIRCLE NO. 79 ON READER SERVICE CARD

PINNACLE®

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MODEL PN5+
DIGITAL DISC COMPATIBLE
DAT COMPATIBLE

"At lower levels the sound character of the PN5+ system was amazingly close to that of our reference speakers, which cost nearly twenty times as much!...Quite remarkable...!"

Stereo Review Magazine January 1988

Pinnacle's entire product focus is on quality compact speakers. We concentrate our efforts to make the best small speakers on the market. And we do. Pinnacle engineers have developed our exclusive patent pending Diaduct™ port design. We strategically angle the port deep inside the cabinet to allow enough length for proper tuning. The result is surprisingly deep tight bass from a small enclosure. In fact, the sound character of Pinnacle compact speakers is often mistaken for that of much larger more costly speakers. You will enjoy a full bodied musical experience from speakers as small as one foot high. Pinnacle delivers full spectrum sound in a compact format. Priced from $169/pair at audio dealers nationally.

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DESIGNED AND MANUFACTURED
IN THE U.S.A.

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Arcam Three+ Speaker
Solid-construction, reflex-loaded cabinets with ultra-rigid medite front baffles. Features vinyl wrap; polymer coned bass-mid range match proprietary dome tweeters via 8-element crossovers, which may be biwired using separate cable runs from the amplifier to the bass/midrange and treble sections; FR 47-20,000 Hz; 50 W power handling; imp 8 ohms; optional walnut or black finish. 7.13 x 10.35 x 13.43 in..... $349/pr

ATC LOUDSPEAKER TECHNOLOGY

SCM-400 Speaker
Four 12″ cone woofers, 3″ soft dome midrange. Sens 94 dB/W/m, seperate 3-way 24 dB/oct active crossover with adjustable phase, gain, crossover frequencies, and employs momentary gain reduction..... $9,000/pr
SCM-500. Similar to above except two 15″ cone woofers..... $8,000/pr
SCM-200. Similar to above except two 12″ cone woofers..... $7,000/pr

SCM-50 Speaker
Bass-reflex floor-standing near-field studio control monitors with drivers employing soft domes, short voice coils in long magnetic gaps, high-flux density, dual suspensions, and cast frames for low distortion and high SPL. Features 9″ cone woofer; 3″ soft-dome midrange; 1″ dome tweeter; min power 50 W rms; max power 500 W rms; sens 85 dB SPL/W/m; imp 8 ohms. Oak and black standard finishes. 28 x 12 x 16-in; 85 lb ea..... $6,000/pr
SCM-50A. Similar to SCM50 except contains 3-way modified active crossover with phase correction driving 3 amps (200-W bass, 100-W mid, 50-W highs). Overload protection by active FET momentary gain reduction plus tweeter thermal protection by light distinguishing resistor (LDR). Well balanced continuous SPL of 112 dB with substantial transient headroom. 28 x 12 x 16 in; 95 lb ea..... $9,000/pr
SCM-100. Similar to SCM50 except 12″ cone woofer. Sens 88 dB SPL/W/m, max continuous SPL 115 dB plus transient headroom; FR 35-18,000 Hz ±3 dB, 60-12,00 Hz ±2 dB. 16 x 33 x 19 in; 115 lb ea..... $8,000/pr
SCM-100A. Similar to SCM50A except 12″ cone woofer, max continuous SPL 115 dB plus transient headroom. 16 x 33 x 19 in; 125 lb ea... $11,000/pr

AUDIO CONCEPTS

All Audio Concepts' speakers are in kit form. Full kits include everything needed to make a speaker. All speaker drivers are from a variety of manufacturers world-wide. Refer to the 1988 Audio Concepts catalogue for more specific details.

Super Titan 3-Way Speaker
Floor standing speaker with 2 12″ woofers, dome tweeter, and 1 midrange. Power range up to 300 W rms; FR 30-20,000 Hz ±3 dB; sens 92.5 dB W/m. 36.5 x 17 x 16.5-in..... $900/pr

Sapphire 2-Way Speaker
Hybrid 7″ woofer. Power range up to 125 W rms; FR 65-20,000 Hz ±3 dB; sens 90 dB W/m. 36 x 13 x 12.5 in..... $670/pr

G2 3-Way Speaker
Aperiodic 10' woofer. Power range up to 200 W rms; FR36-20,000 Hz ±3 dB; sens 89 dB W/m. 28 x 14 x 13-in..... $430/pr

Pulse Subwoofer
Dual 10″ subwoofer. Power range up to 200 W rms; FR 34-400 Hz ±3 dB; sens 87 dB W/m. 18 x 14.5 x 17 in..... $416/ea

Compact Monitor
2-way with Aperiodic 7″ woofer. Features maximum power handling 125 W rms. FR 43-20,000 Hz ±3 dB; sensitivity 87 dB SPL/W/m. 16 x 10 x 8 in. $400/pr

Laser
Sealed dual 8″ woofers. 3-way speaker. Power range up to 150 W rms; FR 48-20,000 Hz ± 3 dB; sens 93 dB W/m. 35 x 10 x 12.5 in..... $380/pr

C2
Sealed 8″ woofer 2-way speaker. Power range up to 100 W rms; FR 48-20,000 Hz ±3 dB; sens 90 dB W/m. 19 x 12 x 10.5-in..... $240/pr

AUDIO PRO BY SONIC RESEARCH

A4-14 Biamplified Speaker System
Biamplified 3-way bass-reflex bookshelf speaker incorporates Ace-Bass subwoofer with two 5″ downfiring rear-mounted woofers and own amp, flush-mounted 4.5″ cone midrange, 1″ soft-dome tweeter with separate amp. Features room-matching bass control, tweeter control, sens control (100 mV-50 V range), L/R signal pushbutton, bass-blend push-button control, power on/off signal-actuated in automode; walnut or black-ash finish; speaker stands included. FR 30-20,000 Hz ±2 dB; crossovers 300 and 2.5 kHz; distortion 2% at 96 dB SPL/half-space/m at 30 Hz; 20.5 x 2.12 x 10.5-in $1,950/system

A2-2 Mini Powered Speaker
Mini speaker with Ace-Bass and Ace-Plus circuits in each channel. Includes volume control, three line inputs and tape output on amp carrying case. FR 50-20,000 Hz; sens 99 dB SPL/W/m. Glossy lacquer finish available in white, black, red or grey. 8.25 x 5.5 x 4.13-in; 22 lb..... $1.850/system

Ace-Plus Powered Mini-Speakers
Speaker system driven by a 50 W/ch Audio Pro Ace-Plus amplifier. 4.25″ woofer; .75″ tweeter; FR50-20,000 Hz ±1.5 dB; glossy lacquer finish, white, black, red, or grey. system price includes carrying case; 8.25 x 5.5 x 4.13-in..... $1,850/system

Amplified Subwoofers

B4-200. Super subwoofer features 4 long-throw 8″ woofers; built-in 150-W amp giving 110 dB SPL from 20-200 Hz 1.5 dB; active variable crossover; sens control; soft-clipping circuit; 44.5 x 21.5 x 21.5-in; walnut finish..... $3,295 ea
B2-70. Floor-standing subwoofer with two 8″ cone woofers, built-in 80-W amp, and active variable crossover. FR 20-200 Hz ±3 dB; 103 dB SPL from 20-200 Hz ±1.5 dB. Walnut, black ash, or white laquer finish. 24 x 20 x 17-in; 90 lb..... $1,450/ea
B-145. Floor-standing subwoofer with 10″ cone woofer and built-in 40-W amp. FR 30-200 Hz ±3 dB; 102 dB SPL from 30-200 Hz ±1.5 dB. Walnut finish. 20.25 x 14.75 x 14.75-in; 48 lb..... $985/ea
Black, white lacquer finish..... $885/ea

AUDIOSOURCE

LS-Twelve Speaker
Floor standing/bookshelf 2-way speaker with 6.5″ polypropylene woofer and 1″ soft dome ferrofluid cooled tweeter. FR 40-20,000 Hz; sens 93 dB; imp 8 ohms; power capacity 90 W; available in oak veneer, black or white enamel over high density particle board with metal grille; 22.88 x 8.63 x 7.88-in; 17.5 lb..... $380/pr

LS-Nine Speaker
Box speaker intended for bookshelf placement. Features L-C crossover at 3.5 kHz. Contains 8″ polypropylene woofer; 1″ tweeter. FR 65-20,000 Hz ±3 dB; max power 80 W; sens 88 dB; imp 6 ohms; white oak with cloth grille; 11.36 x 17.62 x 8.31-in .. $320/pr

LS-Eleven Speaker
Compact acoustic suspension speaker with two 4' polypropylene woofers and 1″ ferrofluid cooled soft dome tweeter. Video shielding for hi-fi video applications. FR 60-20,000 Hz; sens 89 dB; imp 8 ohms; power capacity 80 W; available in oak or walnut veneer, or black or white enamel over high density particle board with metal grille. 14.5 x 5 x 5.75 in; 8.75 lb..... $260/pr

LS-One Speaker
Acoustic-suspension 2-way speaker with 4″ polypropylene woofer, 1″ ferrofluid cooled soft dome tweeter. Video shielding for hi-fi video applications. FR 100-20,000 Hz; power range 12-40 W; imp 8 ohms; sens 87 dB SPL/W/m; crossover 2.5 kHz; black cast-aluminum enclosure with metal grille, available in walnut or oak veneer, or black metal or weather tight finishes; 8 x 5 x 4.69-in..... $220/pr

B&W LOUDSPEAKERS

808 Ported Speaker
Floor-standing speaker with two 300-mm thermoplastic cone woofers, two 100-mm polyamide matrix-cone midranges, 32-mm polyamide dome tweeter. Features computer-optimized drivers and cabinet; Audio Powered Overload Circuit; 4th-order Butterworth crossover; sep terminals for bi and triamping. FR 30-20,000 Hz ±2 dB; min power 100 W; sens 91 dB SPL/W/m; imp 8 ohms; walnut, or black ash finish; 41.25 x 25.75 x 20 in; 80 lb..... $8,000/pr
Rosewood finish..... $9,000/pr

Matrix 801 Series 2 Speaker
Floor standing 6th order Butterworth vented sytem with vertically aligned drivers to minimize time delays. APOC to prevent driver damage. FR 20-20,000 Hz ±2 dB; imp 8 ohms; power range 50-600 W. 39.75 x 17 x 22-in; 110 lb ea. Available in walnut or black ash..... $5,000/pr
Rosewood finish..... $6,000/pr

CM2 Matrix Mini Tower
Floor standing 4th order Butterworth vented system consisting of CMI head unit crossing over at 150 Hz into sub-woofer section forming the stand. B&W matrix enclosure is employed in both stand and head module. APOC system. Imp not less than 4 ohms; power range 50-200/W. 39.19 x 6.38 x 8.31-in; Base width 10 x 9.5-in d. Finish column-black, white, nextel grey, walnut..... $1,750/pr
Rosewood finish..... $2,100/pr.

Matrix Series 2 Speakers
All Matrix speakers feature an electronic time delay overload protection, homopolymer polypropylene bass/mid drivers, and ferrofluid-cooled tweeters. Matrix enclosure comprised of a honeycomb structure of interlocking perforated cross members bonded to the outer walls and filled with acoustic foam for resonance-free environment for drivers.

Matrix 3 Series 2
Floor-standing speaker with two 200-mm cone woofers (one for lower bass and other for bass/mid frequencies); 26-mm polyamide tweeter; heavy magnet assemblies in mid/bass drivers (5 lb ea). FR 70-25,000 Hz ±2 dB; min power 25 W rms; no upper power limit due to overload protection; sens 90 dB SPL/ W/m; imp 4 ohms. Available in walnut and black ash finishes. 35.75 x 10.25 x 16 in; 64 lb..... $2,500/pr
Rosewood finish..... $2,900/pr
Matrix 2 Series 2. Bookshelf speaker with 200-mm cone woofer; 26-mm polyamide dome tweeter. FR 80-25,000 Hz ±2 dB; min power 25 W; no upper power limit due to overload protection sens 87 dB SPL/W/m; imp 4 ohms. Available in walnut or black ash. 23.5 x 10.25 x 12.25 in; 35 lb..... $1,600/pr
Rosewood finish..... $1,900/pr
Matrix 1 Series 2. Bookshelf speaker with 1500-mm cone woofer, 26-mm polyamide dome tweeter. FR 80-25,000 Hz ±2 dB; min power 25 W; no upper power limit due to overload protection; sens 85 dB SPL/W/m; imp 4 ohms. Available in

walnut or black ash. 16 x 9 x 12.25-in; 35 lb$1,200/pr
Rosewood finish..... $1,500/pr

Digital Monitor Series

DM1800.
Features low density version of Matrix enclosure; finite analysis metal dome tweeter. Larger motor assembly and cabinet enclosure than DM1600. Power rating 30-200/W. 19.25 x 9.25 x 11.75-in; 26.5 lb; Black ash or walnut $1,200/pr

DM1600.
Features low density Matrix enclosure; finite analysis metal dome tweeter. Power range 30-200/W. 25 x 9.25 x 16-in; 24.25lb; black ash or walnut . $980/pr

DM580
Two 200mm bass/midrange with composite short fibre cone, 26mm coil on hi-temp former. One 26mm aluminum dome tweeter. FR 38-30,000 -6 dB points. Sens 91 dB 2.83 volt, 1 m; imp 8 ohm nom; simulated veneers of oak or black ash; 34.9 x 9.3 x 16-in; 40.7 lb..... $900/pr

CM1 Matrix Mini Speaker
Bookshelf model, molded DMC (fiberglass polyester composite) low density matrix enclosure with 5″ Kevlar bass driver and new TA301 metal dome tweeter. FR 90-20,000 Hz ±2 dB; imp 8 ohms; power range 50-200 W. 9.63 x 6.38 x 8.63-in; 11 lb ea. White black or nextel grey $750/pr

DM570
One bass/midrange with composite short fibre cone, 26mm coil on hi-temp former. One 26mm aluminum dome tweeter. FR 45-30,000 Hz -6 dB points. Sens 91 dB 2.83 volts/m; imp 8 ohm nom; simulated veneers of oak or black ash;25 x 9.3 x 11.9; 23.71 lb $650/pr

DM560
One bass/midrange with composite short fibre cone, 26mm coil on hi-temp former. One 26mm aluminum dome tweeter.FR65-30,000 Hz ± 2.5 dB;sens 90 dB 2.83 volts/m; imp 8 ohm nom; simulated veneers of oak or black ash; 19.3 x 9.3 x 11.9-in; 18.7 lb$550/pr

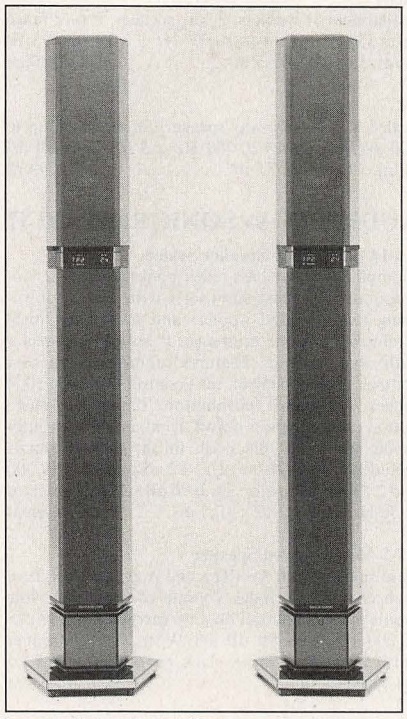
LM -1 Leisure Monitor Speaker
2-way mini speaker with colored nextel finishes and protection against overload. For home and car use. Switchable for 8 or 4 ohms. Available in brown, beige, charcoal, black, or red. Min power 10 W; 4″ woofer, 0.88 tweeter..... $558/pr
LM-1/PM. Panel-mount version $500/pr
LM-1/Mar. Marine version, protected against corrosion $658/pr
LM-1/PM-Mar. Marine version of the LM-1, panel mount..... $600/pr

DM550
One 160mm bass/midrange with composite short fibre cone, 26mm coil on hi-temp former, one 26mm aluminum dome tweeter.FR70-20,000 Hz ±2.5 dB; sens 87 dB 2.83 volts/m; simulated veneers of oak or black ash; 13.8 x 8.3 x 9.6; 12 lb..... $400/pr

BANG & OLUFSEN

Beolab Penta Floor-Standing Speaker
Powered 5-sided bass-reflex speaker with 150-W amp in each cabinet; 9 drivers in 3-way configuration (4 5″ woofers, 4 3″ mids, 1 1″ dome tweeter vertically aligned); dynamic clipping attenuator for protection; 3-position bass-level switch; auto turn on and off; when used with Beosystem 5500, digital display shows source, volume, recording status, overload; finished in brushed stainless steel with black grille. FR 40-20,000 Hz +4, −8 dB; 65 x 5 x 5 in; 53 lb..... $3,295/pr

RL 140 Speaker
Floor-standing bass-reflex speaker with 2 6.5″ woofers, 5″ mid, 1″ dome tweeter in gray plastic enclosure with black grille. FR 40-20,000 Hz +4, −8 dB; sens 93 dB SPL/W/m; min power 10 W; imp 8 ohms; 28 x 20 x 9 in; 43 lb..... $990/pr



Bang & Olufsen Beolab Penta

Beovox S-80.2 Speaker
3-way speaker in infinite-baffle cabinet with 8″ woofer, 3″ dome phase-link midrange, 1″ tweeter; baffle moldings designed for min diffraction; vertically aligned drivers; auto driver protection; rosewood veneer (other finishes available). Max power 80 W rms; dispersion 100x..... $770/pr

RL 60.2 Speaker
Floor-standing speaker with 1″ dome tweeter, 2 5″ cone woofers, tuned port; charcoal black. FR 45-20,000 Hz +4, −8 dB; power range 10-90 W; sens 93 dB SPL/W/m; imp 8 ohms; 21.25 x 16 x 7 in; 19.6 lb..... $550/pr

RL 35 2-Way Bookshelf Speaker
2-way bass-reflex bookshelf speaker. Features 5″ woofer; .75″ tweeter; nom imp 8 ohms; FR 48-20,000 Hz +4/−8 dB; sens 92 dB; crossover at 3,500 Hz; bitumen blocks on inside of curved backplate; thermoplastic cabinet. 15.75 x 12.5 x 5 in; 7.8 lb..... $380/pr

Beovox CX100 Compact Speaker
Black, white, grey, or brushed aluminum bookshelf box speaker with 2 4″ woofers, 1″ dome tweeter. Power range 10-110 W; sens 89 dB SPL/W/m; imp 6 ohms; 4 x 12 x 8 in; 13.5 lb..... $380/pr
Beovox CX50. Black finish; 8 lb $280/pr

BIB

Signature Series
SS-5001. 3-way speaker with 8″ woofer, 4″ midrange and 1″ soft-dome tweeter. Nom imp 8 ohms; max power handling 100 W; sens 90 dB; crossovers at 850 Hz and 3,500 Hz; FR 45-20,000 Hz..... $600/pr

SS-3001. 2-way speaker with 8″ woofer and 1″ soft-dome tweeter. Nom imp 8 ohms; max power handling 80 W; sens 91 dB; crossover at 2,700 Hz; FR 50-20,000 Hz $300/pr

SS-2001. 2-way speaker with 5.25″ woofer and 1″ soft-dome tweeter. Nom imp 8 ohms; max power handling 60 W; sens 80 dB; crossover at 3,500 Hz; FR 70-20,000 Hz $200/pr
Point Micro Personal Speaker System
Credit-card sized speakers for personal stereos. Features small tote pouch; collapsible speaker stands; waterproof. Available in yellow, red, and black$15/pr

BOSE

01 Series
901 Series VI Speaker System
Direct/reflecting acoustic-matrix speaker with active equalizer and 8 rear-facing, 1 front-facing 4.5″ full-range drivers. Features pentagon-shaped cabinet with multi-cell injuection-molded core external panels of hardwood veneer and walnut finish; active equalizer with fixed EQ; midbass and midtreble shelf control; tape monitor switch. Power range 10 W to unlimited; imp 8 ohms; dynamic range 106 dB. Equalizer: 13 x 2.75 x 4.88 in. Speaker: 21 x 12.63 x 13 in. Price includes EQ..... $1,500/pr

601 Series III Speaker System
Floor-standing Direct/Reflecting with all tweeters and one woofer mounted above main enclosure in Free Space Array configuration for lifelike stereo imaging. Features two 8″ Digital Dynamic Range cone woofers; four 3″ cone tweeters; subport enclosure system with slotted port. Crossover points at 1,500 and 2,500 Hz. Min power 10 W; max power 200 W; imp 8 ohms. Hardwood veneer with walnut finish. 12.31 x 30 x 12.5 in; 45 lb $1,026/pr

501 Series IV Speaker System
Floor-standing Direct/Reflecting speaker system with two 3″ tweeters mounted in Free Space array and a 10″ long-excursion woofer. Features teak-grain vinyl veneer finish; power range 20-125 W continuous; nom imp 8 ohms; 25 x 16 x 14 in. Sold only in stereo pairs..... $750/pr

401 Speaker System
Floor-standing Direct/Reflecting speaker system with two 6.5″ woofers and a 2″ magnetic liquid cooled tweeter. Features Stereo Space array design; column-design enclosure; thermal-system protection circuit; max power handling 100 W; nominal impedance 4 ohms..... $598/pr

301 Series II Speaker System
Direct/Reflecting ported bookshelf speaker system with 8″ woofer, two 3″ tweeters in Free Space Array. Features dual-frequency crossover to allow woofer and tweeter to operate simultaneously over nearly a full octave; tweeter protection circuit; particle-board cabinet with walnut-grain vinyl veneer finish. Crossover frequencies 3 kHz woofer, 1.2 kHz tweeter; power range 10-60 W/ch continuous; impedance 8 ohms; 17 x 10.5 x 9.5 in. Sold only in stereo pairs $422/pr

201 Series II Speaker System
Direct/Reflecting bookshelf speaker with Free Field tweeter. Features dual-frequency crossover network; 6″ woofer; 2″ tweeter; auto tweeter protection. Available in rosewood vinyl-veneer finish. Crossover frequencies 1.5 and 2.5 kHz; power range 5-60 W rms; imp 8 ohms; 14.5 x 7.75 x 9 in; 9 lb.. $278/pr

101 Music Monitor
Indoor/outdoor ported speaker. Features high-impact polystrene cabinet for environmental applications; 4.5″ full-range driver; optional multi-purpose mounting arms and brackets available at extra cost. Power range 10-60 W; Finished in black or white with white, blue, red, or green grilles; 10 lb/pr; 9 x 6 x 5 in. Approx $239/pr

.2 Series
10.2 Speaker
Floor-standing ported speaker with an 8″ midrange driver, two 2″ tweeters and an 8″ subwoofer. Feaures

W; sens 88 dB; imp 8 ohms; hardwood veneer. 39 x 12 x 12; 92 lb $1,299/pr

6.2 Bass-Reflex Speaker
Bookshelf speaker with controlled-dispersion-pattern design for Stereo Everywhere. Features 8″ woofer; two 3″ tweeters; Stereo Targeting system; dual-chamber sub-ported bass venting system; interactive crossover network; hardwood veneer with teak finish. Min power 10 W rms; max power 100 W rms; imp 4 ohms. 20 x 10 x 9.62 in; 19.5 lb $599/pr

4.2 Bass-Reflex Speaker
Compact bookshelf speaker with Stereo Everywhere. Features 8″ woofer; 2.5″ axial-mounted tweeter; Stereo Targeting system; dual-chamber bass venting system with slot-port exit; auto tweeter protection circuit; vinyl veneer with teak finish. Min power 10 W rms; max power 75 W rms; imp 8 ohms. 18 x 9.5 x 10 in; 15 lb. Optional speaker stand (AS-1) available at extra cost $419/pr

2.2 Stereo Speaker System
Compact bookshelf speaker with Stereo Everywhere. Features 6″ long-excursion woofer; 2″ magnetic-fluid-cooled tweeter; slot-port bass tuning system; teak vinyl finish. Power range 10-75 W; max power handling 60 W continous; imp 8 ohms. 9.88 x 14.75 x 7.5 in; 12 lb. $299

AM-5 Acoustimass Speaker System
Compact modular system with Acoustimass bass module and Direct/Reflecting cube speaker arrays. Each array features 2 separate cube enclosures that can be adjusted for direct or reflecting configuration. The bass module has 2 6.5″ drivers and a patented Acoustimass enclosure. Features positive temperature coefficient resistor to compress overloading input signals. Max input power 100 W. Cube speaker array: 3.5″ per side plus grille. Bass module: 12 x 20 x 8 in $699/system

Acoustimass SE-5 Stereo Everywhere System
Compact modular system with Acoustimass bass module and Stereo Targeting arrays. Each array includes two 2.5″ magnetically shielded wide range drivers in a black enclosure. Bass module has two 6″ subs that fire into 2 internal chambers. Features positive temperature coefficient protection circuit; high positive current coefficient resistor; 100 W max power handling. Array: 8.25 x 4.88 x 3.56 in. Bass module: 7.56 x 12.63 x 20 .2 in..... $699/system

RoomMate II Portable Powered Speaker System
Pair of speakers with built-in stereo amp to accept output of pocket stereo and portable CD player through audio cable. AC/DC compatible. 4.5″ full-range driver wtih helical voice coils in each speaker. Feaures 2-stage active equalization network; distortion limiting circuitry; dual-channel power amp. Power supply 25 W transformer; fiberglass reinforced injected styrene cabinet. Sens 102 dB. 6.25 x 2.75 x 4.25 in; 10.5 lb. Black finish $279/pr
Power Pack $90

Video RoomMate Powered Speaker System
Bass-reflex bookshelf speaker for use with any VCR, TV, monitor, or LaserDisc player. Features 4.5″ fully shielded full-range helical-voice-coil driver; fully shielded electronic amplification/active equalization system; dual-tuned ports; 6-ft RCA cable; volume control; mono 4-connector. Grey enclosures with black baffle and silver/grey grille. 6 x 9 x 6 in $279/pr
MM-2. Mounting arms $40/pr
WB-10. Wall bracket $20/pr

BOSTON ACOUSTICS

T Series Speakers

T1000 Series II 3-Way Speaker
Floor-standing acoustic-suspension speaker with 2 active 8″ copolymer-cone woofers, 6.5″ copolymer-cone midrange in an internal subenclosure, and 1″ CFT5 ferrofluid-cooled tweeter. Features tapered-grille design to eliminate sonic diffraction; tall slender enclosure for minimum floor space; oak and walnut veneers, black ash vinyl. Power range 15-150 W rms; FR 38-20,000 Hz ±3 dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover frequencies 250 and 2,500 Hz. 10.25 x 42.5 x 11.5 in. Wood veneer $1,200/pr
Vinyl $1,000/pr

T930 3-Way Speaker
Floor-standing acoustic suspension speaker with 10″ copolymer cone woofer, 6.5″ copolymer cone midrange, and 1″ CFT5 dome tweeter. Features genuine walnut veneer, hand finished on 5 sides, and black ash vinyl. Power range 15-125 W/ch rms; FR 42-20,000 Hz ±3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossovers at 250 and 2,500 Hz. 11 x 37 x 12 in. Wood veneer $800/pr
Vinyl $700/pr

T830 3-Way Speaker
Floor-standing acoustic-suspension speaker with 8″ copolymer-cone woofer, 3.5″ copolymer-cone midrange, and 1″ Texlite-dome tweeter. Features woodgrain vinyl finish with charcoal grilles or black ebony vinyl with black grille. Power range 15-100 W rms; FR 45-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover frequencies 800 and 4,000 Hz. 10 x 29 x 10.5 in $500/pr

Designer Series Speakers
All Designer speakers are designed for flush mounting in walls or ceilings and come packaged ready to install. Each speaker has a matte white finish that can be painted to match room decor and a water-resistant design. Includes mounting hardware with optional brackets available for installation in new construction. Prices vary depending upon included installation costs.

360 2-Way Speaker
Flush-mount speaker with 6.5″ copolymer-cone woofer and 1″ CFT4 ferrofluid-cooled soft-dome tweeter. Woofer is specially designed to provide full bass without needing a special enclosure. Power range 5-60 W rms; FR 48-20,000 Hz ±2 dB; imp 8 ohms; sens 90 dB SPL/W/m. 12.06 x 8.63 in; mounting depth 3.25 in ..... $350-$450/pr

350 2-Way Speaker
Flush-mount speaker with 5.25″ copolymer woofer and 1″ CFT4 ferrofluid-cooled soft-dome tweeter. Power range 5-50 W rms; FR 58-20,000 Hz ±2 dB; imp 4 ohms. 9.5 x 6.75 in; mounting depth 2.63 in ..... $300-$400/pr

A Series Speakers

A150 Series III 3-Way Speaker
Acoustic-suspension speaker with 10″ copolymer-cone woofer, 3.5″ copolymer-cone midrange, and 1″ CFT5 ferrofluid-cooled soft-dome tweeter. Features tapered-grille design to eliminate sonic diffraction. Power range 15-125 W rms; FR 39-20,000 ±3 dB; imp 8 ohms; crossover frequencies 550 Hz and 3,500 Hz. Includes black pedestal base. 32.5 x 16 x 8.36 in. Oak or walnut veneers $700/pr
Woodgrain vinyl finish $500/pr

A100 Series III 2-Way Speaker
Acoustic-suspension speaker with 10″ copolymer-cone woofer and 1″ CFT5 ferrofluid-cooled soft-dome tweeter. Power range 15-75 W rms; FR 39-20,000 Hz ±3 dB; crossover at 2,000 Hz; sens 90 dB SPL/W/m. Woodgrain vinyl finish with tapered charcoal grille. Includes black pedestal base. 32.5 (including base) x 16 x 8.36 in $420/pr

A70 Series II 2-Way Speaker
Acoustic-suspension bookshelf speaker with 8″ copolymer-cone woofer and 1″ CFT5 ferrofluid-cooled soft-dome tweeter. Power range 15-75 W rms; FR 45-20,000 Hz ±3 dB; crossover at 2,500 Hz; sens 90 db SPL/W/m; imp 8 ohms. Woodgrain vinyl finish with charcoal grille. 23 x 12.5 x 8.88 in $320/pr

A60 Series II 2-Way Speaker
Acoustic-suspension speaker with 8″ copolymer-cone woofer and 1″ Texlite soft-dome ferrofluid-cooled tweeter. Power range 15-75 W rms; FR 52-20,000 Hz ±3 dB; crossover at 3,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Woodgrain vinyl finish with charcoal grille or matte black vinyl finish with back grille. 18.25 x 11.25 x 7.75 in. $230/pr

A40V Series II Video Speaker
Acoustic-suspension 2-way bookshelf speaker with 6.5″ copolymer-cone woofer and 0.75″ ferrofluid-cooled tweeter. Features MagnaGuard magnetic shielding to allow placement near a TV or video monitor. Power range 5-50 W rms; FR 68-20,000 Hz ±3 dB; crossover 3,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Matte black finish with balck grille. 13.5 x 8.25 x 7.25 in. $190/pr

A40 Series II 2-Way Speaker
Bookshelf acoustic-suspension speaker with 6.5″ copolymer-cone woofer and 0.75″ ferrofluid-cooled tweeter. Power range 5-50 W rms; FR 65-20,000 Hz ±3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Woodgrain vinyl finish with charcoal grille or matte black vinyl finish with black grille. 8.25 x 13.5 x 7.25 in $170/pr

BOZAK BY NEAR

CS-310B Concert Grand Contemporary Speaker
Three-way speaker with 4 B-199B woofers, 2 B-2098 midranges, and 8 tweeters in an array. Power range 60-350 W; imp 8 ohms. Matte walnut enclosure. 52 x 36 x 19 in $4,599/pr
CS-410CL. Same as CS-310B except Classic cabinet $4,999/pr
CS-410M. Same as CS-310B except Moorish styling $4,999/pr

Symphony No. 1 CS-4000A Modern Speaker
Infinite-baffle 3-way floor-standing speaker with 2 woofers, a 6.5″ midrange, and 8 2″ tweeters in array. Max power 250 W; crossovers 400 and 2,500 Hz at 6 dB/octave; imp 8 ohms. Walnut enclosure; 44.5 x 26.25 x 15.62 in $2,599/pr
CS-4000 CL. Same as CS-4000A with Classic styling $2,899/pr
CS-4000 M. Same as CS-4000A with Moorish styling $3,099/pr

Concerto V CS-302M
Infinite-baffle 3-way floor-standing. Features 1-12″ woofer; 1-6″ mid-range; 2-2″ tweeter; max power 150 W; x-over pts 400 and 2,500 Hz; 8 ohms; walnut finish; 28 x 26 x 15 in $1,600/pr

CS-300M
Same as CS-302M but 2-way with upgrade to CS-302M available. Walnut finish $1,100/pr

BSM BY LASER AUDIO

Series 12 MKII 4-Way Speaker
Floor-standing passive-radiator speaker with 12″ polypropylene-cone passive raditor; 12″ polypropylene cone woofer; 4″ cone midrange; 2″ cone tweeter; circuit overload protecion. FR 30-20,000 Hz ±3 dB; min power 15 W rms; max power 100 W rms; sens 94 dB SPL/W/m; imp 4/8 ohms. Ebony wood-grain finish. 15 x 41 x 11 in; 37 lb $320/pr

Series 7 MKV 3-Way Speaker
Floor-standing acoustic-suspension speaker with 12″ polypropylene cone woofer; 4″ cone midrange; 2″ cone tweeter; circuit overload protecion. FR 30-20,000 Hz ±3 dB; min power 15 W rms; max power 100 W rms; sens 94 dB SPL/W/m; imp 4/8 ohms.

Ebony wood-grain finish. 15 x 27 x 11 in; 28.5 lb $240/pr

Series 4 MKV 3-Way Speaker
Floor-standing acoustic-suspension speaker with 10″ polypropylene cone woofer; 3″ cone midrange; 1″ cone tweeter; circuit overload protecion. FR 40-20,000 Hz ±3 dB; min power 15 W rms; max power 65 W rms; sens 92 dB SPL/W/m; imp 4/8 ohms. Ebony wood-grain finish. 14 x 24 x 10 in; 18.5 lb $190/pr

Series 3 MKV 3-Way Speaker
Floor-standing acoustic-suspension speaker with 8″ polypropylene cone woofer; 3″ cone midrange; 2″ cone tweeter; circuit overload protecion. FR 48-20,000 Hz ±3 dB; min power 15 W rms; max power 50 W rms; sens 92 dB SPL/W/m; imp 4/8 ohms. Ebony wood-grain finish. 11 x 24 x 8 in; 16 lb $170/pr

Series 1 Bass-Reflex Speaker
Floor-standing 2-way speaker with 8″ polypropylene cone; 2″ cone tweeter; circuit overload protection; FR 48-20,000 Hz ±3 dB; min power 15 W rms; max power 50 W rms; sens 92 dB SPL/W/m; imp 4/8 ohms. Ebony wood-grain finish. 11 x 24 x 8 in; 15 lb $150/pr

CALRAD ELECTRONICS

20-316 Compact Bookshelf Speaker
Passive-radiator speaker with stand-alone mounts or universal mounting brackets. 4.5″ low/mid driver with 1.5-lb magnet assembly; 2.5″ cone-edge-radiator tweeter; 0.36″-thick wood-core cabinet. FR 53-18,000 Hz ±3 dB; min power 3 W rms; max power 40 W rms; crossover at 2,500 Hz; imp 8 ohms. 4.62 x 7.75 x 5.25 in; 11 lb $180/pr

CAMBRIDGE SOUNDWORKS

Ensemble by Kloss
Full speaker system consisting of 2 low-frequency units and 2 small satellite units. Each low-frequency unit features 1 8″ long-throw acoustic suspension driver; cabinet is made of high-density particle board with internal bracing, and is finished in black high pressure laminate with metal grilles. Each satellite features 1 3.5″ cone midrange (170 Hz to 2,300 Hz), and one 1.75″ direct radiator with an integral .63″ dome (2,300 Hz to 20,000 Hz); both satellite drivers are ferrofluid cooled; cabinet is high-density particle board finished in dark gray Nextel; metal grilles. Nom imp 6 ohms; power range 25-100 W. Low freq. unit size: 12 x 21 x 4.5 in. Upper freq. unit size: 5.5 x 8 x 4 in $499

CANTON

CA 30 Active Speaker
Quad-amplified floor-standing speaker with a differential amp and motional feedback system for each driver section (120 W woofer, 100 W midrange, 100 W tweeter). Features four 260-mm cone woofers; 190-mm cone woofer; 38-mm metal-dome midrange; 25-mm titanium-dome tweeter; Darlington output stage for amps; auto on/off stabilized dual mains supply; electronically controlled protection circuitry. FR 20-30,000 Hz ±3 dB; bandwidth 3-140,000 Hz; distortion <0.03%; S/N 100 dB. 15 x 66.5 x 16.5 in; 275 lb. Black ash or matte mahogany ... $16,500/pr
Custom finish $18,000/pr

CA 20 Active Speaker
Quad-amplified floor-standing speaker with a differential amp and motional feedback system for each driver section (120 W woofer, 100 W midrange, 100 W tweeter). Features two 260-mm cone woofers; 190-mm cone woofer; 38-mm metal-dome midrange; 25-mm titanium-dome tweeter; Darlington output stage for amps; auto on/off stabilized dual mains supply; electronically controlled protection circuitry. FR 20-30,000 Hz ±3 dB; bandwidth 3-140,000 Hz; distortion <0.03%; S/N 100 dB. Black-ash or matte-mahogany finish. 13.4 x 48.4 x 15.75 in; 175 lb $10,000/pr
Gloss black, white, mahogany, or custom $12,000/pr

CA 15 Active Speaker
Tri-amplified floor-standing speaker with electronic signal correction of all drivers. Features 260-mm long-throw woofer; 120-mm midrange; 25-mm titanium-dome tweeter; crossover frequencies 350/3,500 Hz; 3 separate 100 W amplifiers for bass, mid, and high frequencies; THD <0.03%. Black ash or matte mahogany $6,500/pr
Gloss black or white $7,000

CT 120 Floor-Standing Speaker
4-way bass-reflex speaker features 12″ woofer; 8″ bass/midrange; 1.5″ midrange; 1″ titanium-dome tweeter. Power handling 200 W continuous/350 W peak; imp 4 ohms; crossover frequencies 250/1,100/4,600 Hz. 14.2 x 47.25 x 15.6 in. Available in black and white ash, matte mahogany, custom $5,000/pr

CT 100 Floor-Standing Speaker
4-way bass-reflex speaker features 10″ woofer; 6″ bass/midrange; 1.5″ midrange; 1″ titanium-dome tweeter. Power handling 180 W continuous/300 W peak; imp 4 ohms; crossover frequencies 250/1,100/4,600 Hz. 12.6 x 41.3 x 14.1 in. Available in oak, walnut, black and white ash, matte mahogany, custom $3,500/pr

CT 90 Floor-Standing Speaker
3-way bass-reflex speaker features 10″ woofer; 5″ midrange; 1″ titanium-dome tweeter. Power handling 150 W continuous/250 W peak; imp 4 ohms; crossover frequencies 450/4,000 Hz. 12.2 x 35.5 x 12.9 in. Available in oak, walnut, black and white ash, matte mahogany, custom $2,250/pr

CT 80 Floor-Standing Speaker
3-way bass-reflex speaker features 8.5″ woofer; 5″ midrange; 1″ titanium-dome tweeter. Power handling 100 W continuous/150 W peak; imp 4 ohms; crossover frequencies 450/4,000 Hz. 11 x 31.5 x 11.5 in. Available in oak, walnut, mahogany, black or white ash, custom $1,650/pr

Karat 60 Bookshelf Speaker
3-way speaker features 260-mm woofer; 120-mm midrange; 25-mm titanium-dome tweeter; power handling 100 W continuous/150 W peak; imp 4 ohms. 12.4 x 22.9 x 12.5 in. Available in oak, walnut, mahogany, white, or black $1,590/pr

Karat 40 Bookshelf Speaker
3-way speaker features 220-mm woofer; 120-mm midrange; 25-mm titanium-dome tweeter; power handling 90 W continuous/130 W peak; imp 4 ohms. 10.9 x 20.1 x 10.9 in. Available in oak, walnut, mahogany, white, or black $1,290/pr

Karat 30 Bookshelf Speaker
2-way speaker features 220-mm woofer; 25-mm titanium-dome tweeter; power handling 80 W continuous/110 W peak; imp 4 ohms. 10.8 x 17 x 10.9 in. Available in oak, walnut, mahogany, white, or black $890/pr

Karat 20 Bookshelf Speaker
2-way speaker features 200-mm woofer; 25-mm titanium-dome tweeter; power handling 50 W continuous/80 W peak; imp 4 ohms. 8.7 x 13.5 x 8.2 in. Available in oak, walnut, mahogany, white, or black $690/pr

GL 300 F Speaker
Low-profile 2-way speaker acoustically tuned for wall mounting. Features 25-mm dome tweeter (fabric); long-throw 160-mm cone woofer cone. Enclosure surfaces black or white; grille of perforated steel plate; color to match enclosure; permafix spring clamps; 5-meter connecting cable; removable grille. Nominal imp 4 ohms; nominal power handling 40/60 W; FR 48-30,000 Hz; crossover at 1,700 Hz; 12.6 x 8.66 x 3.15 in $500/pr
With walnut finish $550/pr

GL 260 Speaker
Weatherproof low-profile 2-way speaker with 160-mm woofer, 25-mm dome tweeter. Features wall-mounting suitability; white or black finish; perforated metal grille. 42-30,000 Hz; crossover 1,700 Hz; power range 60 W; distortion <1%; imp 4 ohms; 10.5 x 7.12 x 4.75 in $490/pr

HC 100 Speaker
Bookshelf speaker with 110-mm cone woofer, 25-mm dome tweeter. Features Permafix spring clamps; 5-m connecting cable; one-point mounting fixture; removable grille. FR 48-30,000 Hz; max power 60 W; imp 4 ohms; black, white, or bronze finish; 5.12 x 7.5 x 5.75 in; 5 lb $340/pr

Plus S Speaker
2-way bookshelf minispeaker suitable as satellite in connection with Canton Plus Beta and Plus C subwoofers. Features 110-mm cone woofer; 25-mm dome tweeter; flush wall mount; removeable grill. FR 45-30,000 Hz; minimum power 20 W; max power 80 W; sens 87.2 dB SPL/W/m; imp 4 ohms. 4.72 x 8.07 x 3.94; black, white, brown finishes $340/pr
Walnut finish $495/pr

Subwoofers

Plus Beta Active Subwoofer
Floor-standing bi-amplified woofer system containing amplification for satellites and subwoofer. Features 310-mm cone woofer; signal-correction circuit; thermal overload; short-circuit protection; bass level control; adjustable crossover; adjustable input sens; auto on/off; terminals and switching for up to 4 satellite speakers. FR 20-70/90/120 Hz ±3 dB; amp output power 140 W ea; THD <0.1%. Black, white, or walnut. 13.5 x 15 x 15 in; 50 lb ..... $2,000 ea

Plus C Subwoofer
Compact passive 310-mm cone subwoofer for use in connection with satellites such as Canton Plus S. FR 22-120 Hz; min power 35(2x) W; max power 75(2x) W; sens 89.9 dB SPL/W/m; imp 4 ohms. 14.7 x 13.4 x 13.8 in; 10.5 Kg; black, white. walnut finishes $575 ea

CARTER-CRAFT

40-432 Stereo Speaker System
Full, dynamic range speakers with built-in amplifier. Features DC in 4.5 V (3-C batteries - ea.); hook-up cables with 3.5 mm phone plug; 4 x 5 x 4 in; black with silver trim $36

40-434 Mini-Tower Speaker System
Stereo speaker system features built-in amplifier 1.5 W; 4 speakers; AC adapter jack; DC-6 V (4-C batteries); hook-up cables with 3.5 mm phone plug; 2.5 x 6.5 x 3.13 in; black $28

40-428 "Pick-Pocket" Speaker
Folding speakers for mini stereo systems. Folds up to fit in pocket or purse. Over 2' of stereo cable. Includes suede-cloth carrying case. 4 x 2.5 in folded size; 1 lb $22

CELESTION

System 6000 Subwoofer
Double dipole low frequency array. Uses 2 12″ long throw units in each of the 2 systems. Electronic section contains crossover and EQ components, with variable gain and extension controls $2,700/pr

SL700 Speaker
2 way sealed box design, using Aerolam cabinet of 12 liter volume. 120 W program power handling and

using an integral stand. Metal dome tweeter and 2 part roll surround on the woofer w/stands $3,000/pr

SL600 Si
Two way system using a one piece metal dome tweeter and a 6″ plastic bass unit. Cabinet is made from Aerolam, an aluminum honeycomb construction $2,000/pr

SL12 Si
Two and a half way speaker system using a one piece metal dome tweeter and a 6″ bass/midrange unit. Cabinet uses a complete figure 8 bracing and bass units have seperate enclosures $1,500/pr

SL6 Si
Two way system with one piece metal dome tweeter and 6″ plastic bass unit. Figure 8 bass cabinet bracing and fully locked rear panel. Gold plated connectors $950/pr

DL10 Series 2 - 3-Way Speaker
Bass-reflex speaker with separate midrange enclosure. 10″ woofer, 6″ midrange; 1.25″ aluminum dome tweeter, and a 6″ bass unit with integral dust cover and roll surround $929/pr

DL8 Series 2 - 2-Way Speaker
Sealed cabinet speaker with 8″ celoprene cone woofer and 1″ metal tweeter. Designed for stand mounting, uses a figure 8 cabinet brace and is available in simulated American walnut or black finishes $540/pr

DL6 Series 2 - 2-Way Speaker
Sealed box design, 8″ woofer and 1″ metal dome tweeter. Designed for use on stands. Available in simulated American walnut and black finishes $430/pr

DL4 Series 2 - 2-Way Speaker
Compact, 2 way sealed box system, using a 6″ woofer and 1″ metal dome tweeter. Designed for stands or bookshelf mounting $330/pr

CELLO

Amati Speaker
Compact speaker for wall, shelf, or stand mounting; available in many finishes. 27 x 20 x 10 in $3,500/pr

CERWIN-VEGA

Digital Series Speaker Systems

D-9 3-Way Speaker System
Three-way, four-driver, floor-standing speaker with 15″ woofer, dual 6″ midrange and 1″ tweeter. Features Helmholz/Theile enclosure fabricated from high-density pressed board with woodgrain vinyl finish and acoustically transparent brown stretch grille. FR 29-20,000 Hz; power range 5-350 W; sens 101 dB; imp 4 ohms; crossover frequencies 500 and 3,500 Hz; 18.0 x 35.5 x 17.75 in; 85 lb . . . $1,050/pr

D-7 3-Way Speaker System
3-way tower speaker with 12″ woofer, dual 6″ cone distributed midrange driver in large chamber, 1″ horn tweeter. Features circuit protection; midrange, tweeter level controls; FR 25-20,000 Hz ±3 dB; crossovers 500 and 3.5 kHz; sens 98 dB SPL/W/m; max power 200 W; imp 8 ohms $870/pr

D-5 Floor/Shelf Speaker System
Floor/shelf 3-way speaker with 12″ woofer, 6″ cone midrange, 1″ horn tweeter. Features circuit protection; tweeter level controls; FR 32-20,000 Hz ±3 dB; crossovers 700 and 3.5 kHz; sens 96 dB SPL/W/m; max power 150 W; imp 8 ohms $660/pr

D-3 3-Way Speaker System
3-way shelf-speaker with 10″ woofer, 6″ cone midrange, 1″ horn tweeter. Features circuit protection; midrange, tweeter level controls; FR 30-20,000 Hz ±3 dB; crossovers 700 and 3.5k Hz; sens 94 dB SPL/W/m; imp 8 ohms; finished in hickory woodgrain vinyl w/brown stretch cloth grille . . . $580/pr

D-2 2-Way Speaker System
2-way speaker system with 10″ woofer in a cast aluminum frame and 1″ voice coil horn. Features high-frequency protection circuit breaker; direct-radiating vented enclosure; hickory woodgrain vinyl finish with brown stretch cloth grille; FR 30-20,000 Hz; power handling min/max 5/125 W; sens 94 dB; imp 8 ohms; crossover frequency 3,000 Hz. 23.5 x 14.0 x 10.0 in; 38 lb $440/pr

D-1 2-Way Speaker System
2-way system with an 8″ woofer and 1″ voice-coil high frequency horn. Features resettable high-frequency protection circuit breaker; vented cabinet; hickory woodgrain vinyl with cloth grille; FR 30-20,000 Hz; power min/max 5/100 W; sens 92 dB W/m; 8 ohms imp; crossover frequency 3,000 Hz; 20.0 x 11.0 x 10.0 in; 49 lb/pr $340/pr

SW-12B Subwoofer
Vented direct radiating subwoofer compatible with most 4/8 ohm speakers. Features 12″ floor facing woofer built on a die cast aluminum frame with 7 lb magnet; power range 5-125 W; sens 92 dB W/m; woodgrain vinyl veneer finish. 13.25 x 25.5 x 16.25 in; 48 lb $320/ea

AT Speaker Series

AT-15 3-Way Speaker
3 way bass reflex speaker includes fuse protection. Features 15″ woofer; 2 5″ midranges; dome tweeter; power handling capacity 5-400 W; sens 102 dB W/m; imp 4 ohms; 36.5 x 19.0 x 18.5 in; 85 lb . $1,080/pr

AT-12 3-Way Speaker
Similar to above with 12″ woofer; 5″ midrange; power handling capacity 5-200 W; sens 97 dB W/m; imp 6 ohms; 30.0 x 16.0 x 14.0 in; 55 lb $690/pr

AT-10 3-Way Speaker
Similar to above with 10″ woofer; internal self-resetting circuit breaker; power handling capacity 5-150 W; sens 95 dB; imp 6 ohms. 28.5 x 14.0 x 13.5 in; 40 lb $620/pr

AT-8 2-Way Speaker
2-way version of above with 8″ woofer, dome tweeter. Features power handling capacity 5-100 W; sens 94 dB; imp 6 ohms. 21.0 x 12.0 x 10.0 in; 26 lb $410/pr

SE Speaker Series

380SE Floor-Standing Speaker
Floor-standing bass reflex speaker with 15″ cone woofer. Features 2 7″ polyolefin cone midranges; 1″ VC elliptical tweeter; FR 29-20,000 Hz ±3 dB; min power 5 W rms; max power 405 W rms; sens 102 dB SPL/W/m; imp 4 ohms; black vinyl. 36.0 x 17.5 x 19.5 in; 90 lb $1,080/pr

300SE Floor-Standing Speaker
Floor-standing bass reflex speaker with 12″ cone woofer. Features 7″ polyolefin cone midrange; 1″ VC horn loaded dome elliptical tweeter; FR 25-20,000 Hz ±3 dB; min power 5 W rms; max power 255 W rms; sens 98 dB SPL/W/m; imp 6 ohms; black vinyl. 32.0 x 14.5 x 16.25 in; 65 lb $900/pr

280SE Floor-Standing Speaker
Floor-standing bass reflex speaker with 12″ cone woofer. Features 6″ cone midrange; 1″ VC horn loaded dome, elliptical tweeter; FR 32-20,000 Hz ±3 dB; min power 5 W rms; max power 155 W rms; sens 96 dB SPL W/m; imp 6 ohms; black vinyl. 25.5 x 14.5 x 11.5 in; 45 lb $690/pr

250SE Floor-Standing Speaker
Floor-standing bass reflex passive speaker with 10″ cone woofer. Features Hemholtz Thiele acoustically dense enclosure with sound absorbent baffle; circuit breaker protection; 6″ cone midrange; 1″ VC horn loaded dome elliptical tweeter; FR 32-20,000 Hz ±3 dB; min power 5 W rms; max power 125 W rms; sens 95 dB SPL/W/m; imp 6 ohms; black vinyl. 28.0 x 12.5 x 11.5 in; 41 lb $600/pr

240SE Bookshelf Speaker
Bookshelf bass reflex speaker with 10″ cone woofer. Features 1″ VC horn loaded dome elliptical tweeter; FR 32-20,000 Hz ±3 dB; min power 5 W rms; max power 125 W rms; imp 6 ohms. 25.0 x 12.5 x 11.5 in; 36 lb $470/pr

200SE 2-Way Bookshelf Speaker
Features 8″ woofer; 1″ tweeter; vented tuned, direct radiating; FR 32-20,000 Hz ±3 dB; power handling capacity 5-100 W; imp 6 ohms. 22.0 x 10.5 x 12.25 in; 32 lb $410/pr

CHAPMAN SOUND

T9 4-Way Floor-Standing Speaker
Air-suspension speaker comes standard in bi-wired, bi-ampable configuration. 2-10″ polylaminate cone woofers; 6.5″ polylaminate cone midrange; 5″ polylaminate cone midrange; 1″ dome tweeter. FR 25-20,000 Hz ±3 dB; min power 50 W rms; max power 500 W rms; sens 88 dB SPL/W/m; imp 2 ohms. Oak finish. 22 x 45 x 14 in; 150 lbs ea $3,300/pr

T7 3-Way Floor-Standing Speaker
Air-suspension speaker available bi-wired and bi-ampable. 10″ polylaminate cone woofer, 5″ polylaminate cone midrange, 1″ dome tweeter. FR 30-20,000 Hz ±3 dB; min power 50 W rms; max power 200 W continuous, 500 W peak; sens 86 dB SPL/W/m; imp 4 ohms; oak finish with black grille; 14 x 39 x 11 in; 75 lbs each $1,495/pr

T4 2-Way Bookshelf Speaker
Air-suspension box speaker available bi-wired and bi-ampable. Features 8″ polylaminate cone woofer; 1″ dome tweeter. FR 40-20,000 Hz 23 dB; power range 25-100 W; sens 88 dB SPL/W/m; imp 4 ohms; oak with black grille; 11 x 23 x 8 in; 35 lbs each $760/pr

CLEMENTS AUDIO

RT-7 Reference Speaker
Floorstanding speakers feature FR 28-25,000 Hz ±3 dB; sens 87 dB/W/m; imp 7 ohm; min. power requirement 20 W; compression line bass loading; 8 high power/high output copolymer polypropylene cone woofer; 7″ direct inductance planea-ribbon mid-range; cross over frequency 3000 cps; first order bass slope; copper cable; driver leads are low inductanc, high purity, oxygen free cables, copper 16 guage 4-conductor; 48 x 10 x 19 in; rosewood, oak, zebrawood veneered $1,900/pr

RB-8.0 Speakers
Speakers feature 200 W/ch; FR 32-40,000 Hz ±3 dB; sens 88 dB/W/m; max power rating 200 W; imp 6.5 ohm; compression line bass loading; 8″ high power polypropylene cone woofer; 7″ direct inductance planear-ribbon mid-range; crossover frequency 2000 cps; 26 x 13.5 x 15.5 in; high density fibre wood with oak veneer $1,495/pr

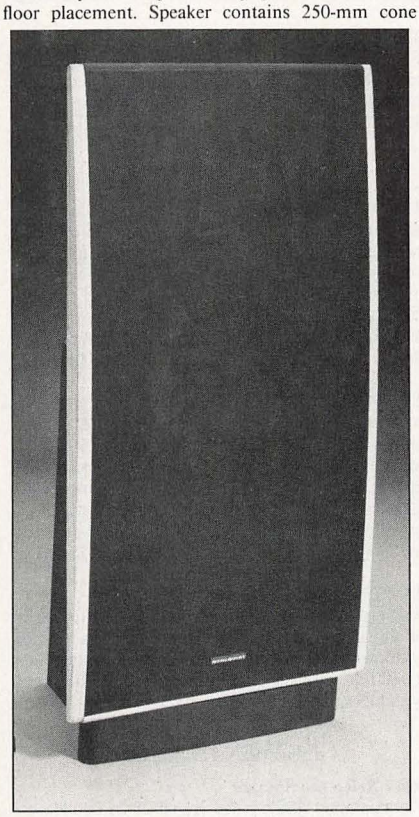
RB-6.5 Speakers
Speakers feature FR 38-40,000 Hz ±3 dB; sens 87 dB/W/m; max power rating 150 W; imp 6.5 ohm; compression line bass loading; 6.5″ high power polypropylene cone woofer; 7″ direct-inductance planar-ribbon mid-range; crossover frequency 2000 cps; 24.5 x 13.5 x 13.25 in; high density fibre wood with oak veneer $1,095/pr

Little d's Loudspeaker system
Multi-purpose, high efficiency, loudspeaker system features FR 42-25,000 Hz ±3 dB; sens 88 dB/W/m;

imp 6 ohm; max power rating 100 W; compression line bass loading; 5.25″ high power/high output polypropylene cone woofer; 5″ direct-inductance planar-ribbon midrange; third order woofer slope; 25 W high power rated wire wound resistors; cross-over frequency 2000 cps; 7 x 16 x 10 in; resin impregnated plastic mold .38″ thick with perforated A.B.S. plastic grille-cloth covered; splatter black, lacquer white, gray, red, or black..... $850/pr

DAHLQUIST

DQ-20 Speaker
Three-way vertical-phase-array speaker intended for floor placement. Speaker contains 250-mm cone



woofer; 120-mm cone midrange; 20-mm dome tweeter. Min power 70 W rms; imp 4 ohms. Oak with black or white grille..... $1,800/pr

M Series

M-909 Floor-Standing Speaker
Genuine wood enclosure, spaced grill with solid wood trim, flocked anti-diffraction baffle. 3-way Quasi-Phased Array; dual cast-frame woofer; 5″ midrange; 1″ dome tweeter. Sens 92 dB; power range 20-250 W; FR 30-24,000 Hz. 39.25 x 13.5 x 10.9 in..... $1,400/pr

M-907 Acoustic Suspension
Real wood walnut enclosure, spaced grille with solid walnut trim. 3 way with 10″ woofer, 5″ midrange, 1″ dome tweeter, damped enclosure. Sens 88 dB; power range 40-150 W; FR 30-24,000 Hz. 28 x 14.5 x 12.5 in..... $940/pr

M-905 Tuned Port Speaker
Front-firing tuned-port speaker. Features real wood walnut or oak enclosure, spaced grille with solid walnut trim. 2-way system with cast frame 8″ woofer and 1″ dome tweeter. sens 91 dB; power range 20 W min to 125 W max; imp 8 ohm. 24 x 13.5 x 12 in..... $590/pr

M903 Tuned Port Speaker
Front-firing tuned-port 2-way speaker. Features nom imp 8 ohms; power range 20-70 W; 6.5″ cast-frame woofer; 1″ dome tweeter; FR 48-24,000 Hz; sens 90 dB; 5-way binding posts; accepts banana plugs; 17 x 8.5 x 10.38 in; 16 lb. Available in black or oak woodgrain laminate..... $450/pr

Speaker Accessories

ST-9 Speaker Stand
Non-resonant floor stand for Dahlquist M series speakers; provides rigid mounting, 3.5° upward tilt; matte black finish; capacity; 100 lb. 11.25 x 14 x 12 in; 7.5 lb; oak or walnut veneer and matte black finishes..... $80/pr
ST-10 Stand. As above for other Dahlquist speakers..... $80/pr

dB PLUS

All speakers have 1″ dome tweeters, walnut vinyl finish, black knit grilles, and nominal impedances of 8 ohms with minimum of 4 ohms.

1212 Floor-Standing Bass-Reflex Speaker
2 12″ viscous-damped cone woofers; 6.5″ cone midrange. FR 23-22,000 Hz ±3 dB; minimum power 10 W, max power 200 W; sens 103 dB SPL/W/m; 54 lb; 36.60 x 12.24 x 11.5-in. $1,100/pr

1010 Floor-Standing Bass-Reflex Speaker
2 10″ viscous-damped cone woofers. FR 25-22,000 Hz ±3 dB; minimum power 20 W, maximum power 150 W; sens 100 dB SPL/W/m; 45 lb; 36.6 x 12.24 x 11.5 in..... $750/pr

990 Floor-Standing Passive-Radiator Speaker
10″ viscous-damped cone woofer. FR 30-22,000 Hz ±3 dB; minimum power 10 W, max power 100 W; sens 98 dB SPL/W/m; 37 lb; 32.60 x 12.24h x 11.5 - in..... $600/pr

880 Bass-Reflex Speaker
10″ viscous-damped cone woofer. FR 35-22,000 Hz ±3 dB; minimum power 10 W, max power 100 W; sens 96 dB SPL/W/m; 29 lb; 23.88 x 11.88 x 11.5 - in..... $450/pr

440 Bookshelf Bass-Reflex Speaker
6.5″ polypropylene cone woofer. FR 45-22,000 Hz ±3 dB; minimum power 10 W, max power 80 W; sens 94 dB SPL/W/m; 16 lb; 15.88 x 9.5 x 9.25-in. . $350/pr

dbx

Soundfield 50 Speaker
Two floor-standing vented enclosures each with 10″ woofer, 6.5″ midrange, 4″ upper midrange, and 3 ultra-wide-dispersion 0.5″ tweeters. Phased arrangement produces both measurably flat response (34-20,000 Hz ±2.5 dB) and consistent "Listen Anywhere" stereo imaging throughout room. Sens 91 dB SPL/2.83 V/m; imp 4 ohms nominal, 2.5 ohms min; power range 40-400 W; phased-arranged crossover 200 Hz, 800 Hz, 3,150 Hz, main axis. Walnut or black base and top with matching grille wraps . $2,000/pr

Soundfield 150 Speaker
3-way floor-standing vented speaker. Features 10″ woofer; 4.5″ midrange; 2 .5″ tweeters; phased-arrangement; Listen Anywhere imaging; wrap-around speaker grilles. FR 39-20,000 Hz ±3 dB; sens 91 dB; nom imp 4 ohms; power range 30-250 W/ch; 20.5 x 16 x 39.5 in; 60 lb. Available in charcoal grey/black or beige/walnut..... $1,500

Soundfield 1500 Speaker
3-way floor-standing vented speaker. Features 8″ woofer; 4.5″ midrange; 2 .5″ tweeters; phased-arrangement; Listen Anywhere imaging; wrap-around speaker grilles. FR 44-20,000 Hz ±3 dB; sens 92 dB; nom imp 4 ohms; power range 30-250 W/ch. 16 x 14 x 33 in; 35 lb. Available in charcoal grey/black or beige/walnut..... $1,000/pr

Soundfield 2500 Speaker
3-way floor-standing vented speaker. Features 6.5″ woofer; 2.5″ midrange; 2 .5″ tweeters; phased-arrangement; Listen Anywhere imaging; wrap-around speaker grilles. FR 49-20,000 Hz; sens 90 dB; nom imp 6 ohms; power range 25-150 W/ch at 4 ohms. 12 x 8 x 29 in; 21 lb. Available in charcoal grey/black or beige/walnut..... $580/pr

DCM

Time Window 3 Speaker
Folded transmission-line 3-way speaker intended for floor placement. Features time-coherent point source for more accurate off-axis sound reproduction. Adjustable high- and middle-frequency energy output, narrow to wide image spatial control; also utilizes acoustic anti-diffraction lenses. 8″ cone woofer; 6.5″ cone midrange; 2.75″ soft-plastic-dome tweeters. FR 24-20,000 Hz; min power 10 W, max power 200 W; sens 90 dB; imp 8 ohms; available in dark oak with dark brown fabric; 45 lb; 16.25 x 39.25 x 12.36 in..... $1,399 to $1,499/pr

Time Frame TF1000 3 Way Speaker
Tapered transmission-line speaker. Mirrored image with 8″ woofer, .75″ soft plastic dome tweeter, acoustic anti-defraction lens, 4″ mid-frequency driver, transmission line termination. Max power rating 50 W rms pink noise continuous/300 W peak program; 8 ohm imp; sens 91 dB W/m; 49 lb; 49 x 19.5 x 8 in..... $999 to $1,099

Time Window 1A Speaker
Hybrid transmission-line speaker intended for floor placement. Improved version of original Time Window with wide-angle sound distribution, pinpoint imaging properties and high power-handling capability. Features cylindrical back and triangular-prism front. Optimized for min time-dispersion error. Contains two 6.5″ cone woofers with acoustic lens; 2.75″ soft plastic dome tweeter with acoustic lens. Min power 10 W, max power 200 W; sens 91 dB; imp 8 ohms; dark oak with dark brown fabric; 32 lb; 15 x 36 x 11.75 in..... $899 to $949/pr

Time Frame TF 700 Speaker
Floor-standing folded tapered transmission-line speaker with 8″cone woofer, 4″ cone midrange, and .75″ dome tweeter. Accurate impulse response for digital sources. FR 34-20,000 Hz ±3 dB; min power 20 W rms; max power 250 W; sens 90 dB SPL/W/m; imp 8 ohms. 45 x 18 x 7 in ..... $799 to $849/pr

Time Frame TF500 Speaker
Mirror-imaged floor-standing loudspeaker. Features 6.5″ cone woofer; .75″ soft-plastic-dome tweeter with acoustic lens; folded, tapered transmission-line bass loading; FR 34-20,000 Hz; power range 10-100 W; sens 90 dB SPL/W/m; imp 8 ohms; dark oak finish; 17 x 41 x 6.75 in; 42 lb..... $599 to $649/pr

Time Frame TF 350 Speaker
Floor-standing transmission-line speaker with acoustic anti-diffraction lens. Accurate impulse response for digital sources. Features a 6.5″ magnetically shielded cone woofer and a .75″ dome tweeter. FR 42-20,000 Hz ±3 dB; min power 10 W rms; max power 100 W rms; sens 89 dB spl/W/m; imp 8 ohms. Available in dark oak/brown cloth finish. 31 lb. 37 x 15 x 7 in ..... $449 to $499/pr

Time Frame TF 250 Speaker
Floor-standing bass-reflex speaker with 6.5″ cone woofer and .75″ dome tweeter. FR 50-20,000 Hz ±3 dB; min power 10 W rms; max power 50 W rms; sens 89 dB SPL/W/m; imp 8 ohms. Dark oak with dark brown grille. 34 x 13 x 6 in ..... $299 to $349/pr

DENNESEN ELECTROSTATICS

Dennesen Nine 3-Way Speaker
Floor-standing bass-reflex electrostatic speaker de-

signed for minimal edge refractions and reflections. Features electrostatic tweeter system; 8″ bextrene woofer; 6.5″ midrange; six 3″ electrostatic tweeters. Phase corrected and time aligned. Includes separate electronic crossover for bi-amping in stereo. FR 20-35,000 Hz ±3 dB; min power 50 W rms; max power 200 W rms; sens 89 dB; imp 8 ohms $1,800/pr

DESIGN ACOUSTICS

PS-30 3-Piece Speaker System
Consists of 2 PS-5 satellites, PS-LF bass module. Satellites are low-diffraction design with 5″ midwoofer, 1″ soft-dome tweeter. Bass module has 12″ dual voice coil, long-throw woofer; power satellites/subwoofer 35/250 W; imp 8 ohms $750/set

PS-LF Bass Module
Down-firing dual voice coil, long-throw 12″ woofer with twin crossover networks at 18 dB/octave, 140 Hz. Features input for use with PS-5 satellites (below); biamp inputs for other satellites. FR to below 40 Hz; power range 15-250 ..... $375/ea

PS-5 Speaker
Acoustic-suspension 2-way miniature bookshelf speaker with 5″ woofer, 1″ dome tweeter. Features midrange, tweeter level controls. FR 80-16,000 Hz ±1.5 dB; crossover 2.5 kHz; sens 85 dB; power range 15-50 W; imp 4 ohms $350/pr

DA 360 All-Weather Speaker
Omnidirectional all-weather speaker. Features rust-proof heavy-duty plastic enclosures; dual driver system, white finish $240/pr

Point Source Series

PS 103 Floor Standing Speaker
Acoustic-suspension speaker with down-firing 10″ woofer housed in a separate enclosure within the cabinet. 6″ midwoofer and .75″ dome tweeter in the upper portion of the cabinet. Five-way binding posts will accept bare stranded cable up to 8 gauge, looped wire, banana plugs, spade lugs, and terminal pins. Cabinet is mounted on casters. Sens 88 dB SPL/W/m; power range 30-250 W/rms; imp 8 ohms.. $950/pr

PS-10 3-Way Bookshelf Speaker
Acoustic-suspension 3-way speaker with down-firing 10″ long-throw woofer, 5″ midwoofer, 1″ soft-dome tweeter. Features tweeter level control; mirror-image driver placement; acoustically treated baffle; FR 48-20,000 Hz; crossovers 190 and 2,000 Hz; sens 90 dB; power range 15-200 W; imp 8 ohms..... $520/pr

PS-8b 2-Way Bookshelf Speaker
Acoustic-suspension speaker. Features 8″ woofer; 1″ soft-dome tweeter; mirror-image drivers; acoustically treated baffle; crossover at 2,000 Hz; FR 50-20,000 Hz; sens 90 dB; power range 15-200W.... $370/pr

PS-6V Shielded Bookshelf Speaker
Acoustic-suspension speaker. Features 6.5″ long-throw woofer; .75″ soft-dome tweeter; mirror-image driver placement; acoustically-treated baffle; magnetic shielding. FR 50-20,000 Hz; power range 10-100 W; sens 88 dB; imp 8 ohms..... $280/pr

PS-6 Bookshelf Speaker
Two-way design features 6″ woofer; 0.75″ soft-dome tweeter; FR 50-20,000 Hz; sens 88 dB SPL/W/m; power range 15-100 W..... $260/pr

DESKTOP LOUDSPEAKER SYSTEMS

DLS-3x Intimate Speaker System
4-piece speaker system with satellites carved from solid wood. 2 DM-2x satellites house 3.25″ cone woofer, 0.75″ dome tweeter, 0.15″ supertweeter; 2 subwoofers house 2 7″ drivers and 2 8″ passive radiators. FR 38-30,000 Hz ±3 dB; power range 20-200 W; sens 87.5 dB; imp 4 ohms... $1,999/system

DLS-2 Intimate Speaker System
4-piece speaker system with satellites carved from solid wood. 2 DM-1 satellites house 3.25″ cone woofer, 0.88″ dome tweeter; 2 BMW-2 subwoofers house 6.5″ cone driver and 2 6.5″ passive radiators. FR 39-19,000 Hz ±3 dB; power range 20-250 W; sens 87 dB SPL/W/m; imp 4.6 ohms..... $899/system

DLS-1A Intimate Speaker System
3-piece speaker system with enclosures made of solid wood blocks carved out for crossover and drivers. 2 full-range DM-1 satellites with 3.25″ cone woofer, 0.88″ dome tweeter; 1 small BMW-1 subwoofer with 6.5″ cone driver. FR 54-18,000 Hz ±3 dB; power range 20-325 W; sens 86 dB SPL/W/m; imp 4.6 ohms. Available in walnut, golden oak, or teak finishes. system weight 28 lb $649/system

BMW-2 Intimate Subwoofer
Floor-standing subwoofer with 6.5″ cone driver, 2 8″ passive radiators. FR 39-175 Hz ±3 dB; power range

Five years ago, the PS•10 got great reviews.
It still earns them today, in a store near you.

In 1983, *Rolling Stone* said, "...the PS•10 loudspeakers by Design Acoustics could be the last pair you'll ever buy." *High Fidelity* commented, "The overall sound is smooth, clean, and detailed." *Ovation* noted that the PS•10, "...provided a very open and transparent sound with excellent and stable stereo imaging." And *Stereo Review* concluded that, "...the PS•10s delivered a smooth, balanced sound... (enabling them) to fit almost anywhere both aesthetically and acoustically."



A MODERN-DAY CLASSIC

The PS•10 continues to earn thousands of new friends with its unique Point Source™ design. The PS•10 has the smallest possible front face, to eliminate diffraction and reflections that blur the stereo image from ordinary bookshelf speakers. Plus a down-firing 10″ woofer that is always exactly coupled to the room, regardless of its location.

MEETS THE DIGITAL CHALLENGE

Over the years, the PS•10 has been constantly refined and improved. Today, it meets the challenge of digital recordings with impressive performance, yet easily fits the smallest room neatly and unobtrusively. Write for dealer list and literature today.

DESIGN® ACOUSTICS
An Audio-Technica Company
1225 Commerce Drive, Stow, OH 44224

CIRCLE NO. 66 ON READER SERVICE CARD

20-150 W; sens 86 dB SPL/W/m; imp 5 ohms; black finish; 9 x 9 x 9 in; 10 lb $525/pr

DM-1 Intimate Speaker System
Bookshelf speaker of solid blockwood carved out to house parts. 3.25″ cone woofer, .88″ dome tweeter. FR 175-18,000 Hz ±3 dB; power range 20-125 W; sens 85 dB SPL/W/m; imp 8 ohms; walnut, golden oak, or black; 7.5 x 4.5 x 3.5 in; 4.5 lb $300/pr

S-1 Speaker Stand
For use with wide-screen TV, stereo TV or audio system. Phase aligned; flat black finish; invisible wiring track. 8 x 17 x 8 in; 2.2 lb $70/pr

EMINENT TECHNOLOGY

LFT-III Planar Doublet Speaker
Single-diaphragm Linear Field Transducer with diaphragm remaining within constant magnetic-flux field over entire displacement range; push-pull operation; soft-foil/mylar diaphragm with very thin traces and narrow gaps between each trace driven directly by amp; recommended placement at least 3 ft from rear wall; diaphragm area 580″; peak-to-peak displacement 0.2″. FR 35-40,000 Hz ±4 dB; power range 50-200 W; sens 83 dB SPL/2.83 V/m; max SPL 106 dB at 1 m; imp 4 ohms; 54 x 27 x 1.3 d; 90 lb ea $2,700

ENERGY

Reference Connoisseur
2-way bass-reflex mirror-imaged speakers, matched 0.12 dB left and right. 6 different exotic matched wood veeners available. 7″ polypropylene cone woofer with PVC-stitched suspension; 1.5″ dual hyperdome tweeter. FR 25-20,000 Hz ±1.5 dB off axis; sens 89 dB SPL/W/m; imp 8 ohms; power range 20-200 W; 35.36 h x 11 x 14-in.; 80 lb; priced according to finish from ..... $1,600-$3,300/pr

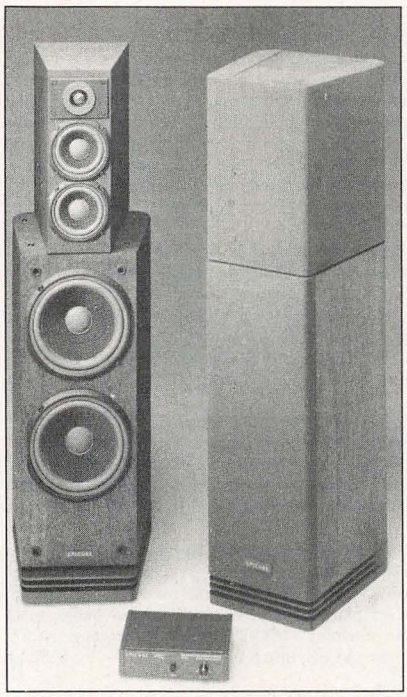
Reference
2-way bass-reflex front-port monitors matched within 0.12 dB left and right. 7″ polypropylene cone woofer with PVC-stitched suspension; 1.5″ dual hyperdome tweeter; includes stands; black vinyl veneer finish. FR 34-20,000 Hz ±1.5 dB off axis; sens 89 dB SPL/W/m; imp 8 ohms; power range 20-200 W; 24.62 x 10.5 x 12-in.; 34 lbs. $1,050/pr
Reference Oak Designer Series. Similar to to Reference but finished in light oak and including integrated matching oak stands. FR 28-20,000 Hz ±1.5 dB $1,300/pr

Pro Monitor
2-way bass-reflex mirror-imaged speakers matched 0.5 dB left and right. With stands. 7″ polypropylene cone woofer with PVC-stitched suspension; 1.5″ dual hyperdome tweeter. Walnut-grain vinyl with black sag-resistant fabric grilles. FR 28-20,000 Hz ±1.5 dB off axis; sens 89 dB SPL/W/m; imp 8 ohm; power range 20-200 W; 24.62 x 10.5 x 12-in.; 34 lbs$870/pr

EPICURE PRODUCTS (EPI)

All EPI speakers have wood veneer cabinets with narrow front baffles and non-parallel side walls to minimize defraction and internal standing waves. The grills are covered with anthracite gray cloth. The tweeters have damped polycarbonate domes and 1-inch voice coils. The bass and midrange drivers have cones made of mineral filled polypropylene which is formed with a non-concentric pattern to increase rigidity and reduce structural resonances.

Epicure Model 1 System 4-Way Speaker
System consists of Model 1 speakers and a Speaker Placement EQualizer (SPEQ). Floor standing speakers have an electronically reinforced 8″ woofer in a vented cabinet, an 8″ mid-woofer in an isolated chamber. Two 4″ midranges and a 1 ″ tweeter are mounted in a seperate narrow baffle cabinet. The special air-mass-loaded cabinet vent is integrated



into the cabinet base. Internally wired with Monster Cable. FR32-20,000 Hz ±3 dB; crossovers at 160, 500 and 2,500 Hz; recommended amplifier power 20-200 W; imp 6 ohm; 42.75 x 12 x 13-in .. $1,400/system

Epicure Model 2 Four-Way Speaker
Floor standing speaker with an 8″ woofer in a vented cabinet, 8″ mid-woofer in an isolated chamber, 4″ midrange and 1″ tweeter. The air mass loaded cabinet is integrated into the cabinet base. Internally wired with Monster Cable. FR 38-20,000 Hz ±3 dB; crossovers at 190, 500 and 2,500 Hz; power range 10-175 W; imp 6 ohm; 35.25 x 12 x 13 in.... $900/pr

Epicure Model 3 3-Way Speaker
Floor standing speaker with an 8″ woofer in a vented cabinet, a 4″ midrange and a 1″ tweeter. The air mass loaded cabinet is integrated into the cabinet base. FR 42-20,000 Hz ±3 dB; crossovers at 500, 2,500 Hz; recommended power 10-150 W; imp 6 ohm; 30 x 12 x 13 in $700/pr

Epicure Model 4 2-Way Speaker
Bookshelf speaker with an 8″ woofer in a vented cabinet and a 1″ tweeter. The flared cabinet vent is integrated into the cabinet base. FR 48-20,000 Hz ±3 dB; crossover at 2,000 Hz; recommended power 10-100 W; imp 8 ohm; 20 x 11.75 x 12-in.... $450/pr

Epicure Model 5 2-Way Speaker
Bookshelf speaker with a 6″ woofer in a vented cabinet and a 1″ tweeter. The flared cabinet vent is integrated into the cabinet base. FR 55-20,000 Hz ±3 dB; crosssover at 2,000 Hz; recommended power 10-75 W; imp 8 ohm; 16 x 10 x 10.5-in..... $350/pr
Epicure Model 5V 2-Way Speaker. Same as above but with vinyl veneered cabinet $300/pr

EPOS BY MUSIC HALL

ES 14 Speaker
8″ custom-made woofer; custom-made aluminum tweeters; black ash or walnut veneer. 19.5 x 8 x 11.5 in..... $1,100/pr
Matching Stands...... $200

ESM BY ENERGY

ESM-1s Bass-Reflex Speaker
Mirror-imaged pair with 8″ woofer; 1″ ferrofluid dome tweeter; phase-corrected crossover at 2,000 Hz; walnut or black ash vinyl; black grilles. FR 30-22,000 Hz ±3 dB; sens 86 dB SPL/W/m; power range 1.5-120 W; nominal imp 8 ohms, min 4; 24 x 10.5 x 11-in.; 35 lb each..... $500/pr
ESM-2s Bass Reflex Speaker. Similar to above except FR 40-22,000 Hz and recommended power range from 12-100 W; 23 x 11 x 11; 24 lb ea$400/pr
ESM-3. Similar to ESM-2 except FR 45-22,000 Hz; power range 10-80 W; 20 x 10 x 9-in.; 20 lb each..... $300/pr
ESM-4. Similar to ESM-3 but with 6.5″ woofer; 0.75″ dome tweeter. FR 60-20,000 Hz ±3dB power range 10-80 W; 14 x 10 x 10-in.; 11 lb ea..... $230/pr

ESS

AMT Series
AMT-Monitor Speaker
Floor-standing passive radiator speaker with 21.5″ x 21.5″ Heil air motion transformer with mylar articulated diaphragm. Features 12″ cone passive rad; 12″ cone woofer. FR 35-23,000 Hz ±3 dB; minimum power 35 W rms, max power 400 W rms; sens 91 dB SPL/W/m; imp 6 ohms; oiled walnut finish; 82 lb; 18.5 x 41 x 12..... $1,140/pr

AMT 1D Speaker
Floor-standing passive-radiator 2-way speaker with 12″ polypropylene woofer, 12″ passive radiator. Features 21.5″ x 21.5″ Heil air motion transformer with mylar articulated diaphragm; midrange presence, brilliance controls; oiled-walnut finish; black-brown grille. FR 35-23,000 Hz ±3 dB; crossover 800 Hz; max power 400 W; imp 6 ohms; horizontal/vertical dispersion 120°/30° sens 91 dB SPL/W/m; 35.25 x 16.25 x 16.25 in; 85 lb $1,040/pr

Mini Monitor 620 Speaker
Two-way mini Bookshelf speaker. Features dynamic 5.25″ long excursion woofer; 1.25″ dome shape tweeter; 5″ passive radiator. FR 60-20,000 Hz ±4 dB; power range 10-60 W; sens 87 dB SPL/W/m; imp 8 ohms; oiled walnut veneer finish; 7 x 12 x 7.5 in; 16.5 lb/pr $160/pr

Performance Series
PS-1220 Speaker
Floor standing passive radiator speaker system with 12″ woofer, Heil air-motion transformer tweeter with 10.4″ x 10.4″ radiating area, dynamic 4″ midrange with hi-temp voice coil. FR 28-23,000 Hz ±1 dB at midband; sens 93 dB SPL/W/m; imp 4 ohm; power range 10-200 W; solid walnut finish..... $488/pr

PS-1020 Floor Standing Speaker
Floor standing passive radiator speaker system with 12″ woofer, Heil air-motion transformer tweeter-midrange. 10.4″ x 10.4″ radiating area; FR 28-23,000 Hz ±1 dB at midband; sens 93 dB SPL W/m; imp 4 ohm; power range 10-150 W; solid walnut finish $418/pr

PS-920 Bookshelf Speaker
Passive radiator speaker system with 8″ woofer, Heil air-motion transformer tweeter-midrange with 10.4″ x 10.4″ radiating area. FR 38-23,000 Hz ±1 dB at midband; sens 91 dB SPL/W/m; imp 4 ohm; power range 5-100 W; solid walnut finish..... $368/pr

PS-820 Bookshelf Speaker
Passive radiator speaker with 6″ woofer, Heil air-motion transformer tweeter-midrange with 10.4″ x 10.4″ radiating area. FR 42-23,000 Hz ±1 dB; sens 89 dB SPL/W/m; imp 4 ohm; power range 5-125 W; solid walnut finish..... $304/pr

FISHER

STV-440M 3-Way Speaker System
Features 15″ woofer; 5″ ferrofluid midrange; 3″ ferrofluid tweeter; magnetic field compensated; 150 W rms max. 17.8 x 38.6 x 12.8 in..... $600/pr

STV-430M 3-Way Speaker System
Features 15″ woofer; 4″ ferrofluid midrange; 3″ ferrofluid tweeter; magnetic field compensated; 100 W rms max. 17.8 x 36 x 12.8 in; oak vinyl veneer finish..... $400/pr

STV-420M 3-Way Speaker System
Features 12″ woofer; 4″ ferrofluid midrange; 3″ ferrofluid tweeter; magnetic field compensated; 100 W rms max. 14.3 x 29.7 x 12.9 in; oak vinyl veneer finish..... $320/pr

STV-410M 3-Way Speaker System
Features 10″ woofer; 4″ midrange; 3″ tweeter; magnetic field compensated; 60 W rms max. 12.3 x 25.7 x 10.9 in; oak vinyl veneer finish..... $200/pr

TV/Audio Speakers
STV8626. 3-way bass-reflex speaker. Features 8″ woofer; 4″ midrange; 3″ tweeter; magnetic field compensation for placement near a TV or video monitor. 50 W rms max power handling; baldwin oak vinyl veneer cabinet. 23.8 x 10.2 x 11 in; 15.5 lb..... $200/pr
STV228. 2-way bass-reflex speaker. Features 8″ woofer; 3″ tweeter; magnetic field compensation for placement near a TV or video monitor. 50 W rms max power handling; baldwin oak vinyl veneer cabinet. 18 x 10.2 x 11 in; 15.5 lb $160/pr

FOCUS SPEAKER SYSTEMS

High-Definition Tower Speaker
2-way staggered-transmission-line speaker with 3 phase-aligned drivers; 1.25″ inverted Kevlar dome tweeter with 3-lb magnet; 2 8″ woofers; lead-lined cabinet; cabinet made of 14-layer epoxy-pulp sleeve; internal bracing; rounded baffle; subenclosure for tweeter; solid oak bases, tops, side rails; 1st-order crossover at 1,000 Hz; crossover components matched to better than 1% tolerances; adjustable and removeable spiking system. FR 35-20,000 ±2 dB; group delay better than ±0.2 msec; nominal imp 4 ohms, min imp 3.2 ohms; sens 92 dB SPL/W/m; power range 30-200 W/ch; 14 x 64 x 16.5 in; 115 lb..... $2,950/pr

High Definition Monitors
Two-way, floor standing speakers. Cabinets constructed from 14-layer Pox-Pulp sleeve braced inside, wrapped with 1/4″ foam on outside and capped with solid oak end pieces. Features phase aligned drivers in separate sub-enclosures to improve imaging; 1 8″ woofer, 1 1.25″ tweeter; FR 32-20,000 Hz ±2 dB; sens 89 dB sound-preasure level at 1 meter with 1 W input; imp 8 ohms; amp power 30-200 W/ch; adjustable and removable spiking system directly couples speakers to any type floor; 47 x 12 x 12 in..... $1,450/pr

.7 High-Definition Monitor Speaker
2-way computer-matched time-aligned speaker with Pox Pulp internally braced cabinet; 8″ woofer; 1″ dome tweeter; contoured port; hardwired crossovers. FR 37-19,000 Hz ±2 dB; nominal impedance 8 ohms, minimum impedance 4.8 ohms; maximum power handling 150 W/ch; sensitivity 90 dBSPL/W/m; 12 x 28 x 12 in; 37 lb..... $995/pr
Matching Stands $195/pr

.5 High-Definition Monitor Speaker
Bookshelf speaker with Pox Pulp cabinet; 8″ woofer; 1″ dome tweeter. FR 45-20,000 Hz ±3 dB; nominal imp 8 ohms, min imp 4.8 ohms; power range 30-150 W/ch; sens 90 dB SPL/W/m; 12 x 19 x 12 in; 27 lb..... $750/pr

FOSTEX

H-3 2-Way Speaker
Bookshelf speaker system. Features patented RP tweeter which operates in piston motion; 2 8″ woofers. 30 x 11 x 10 in..... $499/pr

H-2 2-Way Speaker
Bookshelf speaker system. Features patented RP tweeter which operates in piston motion; 8″ woofer. 21.5 x 9.5 x 9 in..... $399/pr

H-1 2-Way Speaker
Bookshelf speaker system. Features patented RP tweeter which operates in piston motion; 6″ woofer. 16.5 x 8 x 7 in..... $299/pr

FRIED PRODUCTS

G/3 3-Way Speaker
Floor-standing transmission-line speaker with series crossover networks and duocone drivers. Features full-free-flow transmission-line loading of midrange and aperiodic-design principles for linearity and dynamic range. 10″ polypropylene duocone woofer; 6.5″ midrange; 0.75″ dome tweeter. FR 23-22,000 Hz ±3 dB; power range 10-200 W rms; sens 91 dB SPL/W/m; imp 8 ohms. Walnut and oak finishes. 16 x 44 x 18 in; 100 lb..... $2,320/pr

Studio IV 3-Way Speaker
"Flow-resistance" floor-standing speaker with duocone drivers and series networks. Features 8″ duocone woofer; 2″ duocone midrange; 1.75″ dome tweeter. FR 26-22,000 Hz ±3 dB; power range 10-1,000 W; sens 91 dB SPL/W/m; imp 8 ohms. Walnut finish. 12 x 39 x 18 in; 75 lb..... $1,350/pr

C/3-L 2-Way Speaker
Full-transmission-line-loaded speaker for use alone or as a satellite. Features 6.5″ duocone woofer; 0.75″ dome tweeter; series networks; pyramid shape. FR 60-22,000 Hz ±3 dB; power range 10-250 W rms; sens 91 dB SPL/W/m; imp 8 ohms. 10.5 x 13.5 x 15.5in; 20 lb..... $1,400/pr assembled
C/3-L Kit. As above except as a kit to put together..... $430/pr

R/4 3-Way Speaker
Column loudspeaker with built-in tilt back pedestal with line loading for midrange and line-tunnel loading for bass. Features 10″ polypropylene woofer with vented pole piece; 5.25″ polypropylene mid driver cone with vented pole piece; 1″ dome tweeter with ferrofluid damping; FR 32-20,000 Hz ±3 dB power range 25-100 W/ch; sens 90 dB; imp 8 ohms. 32 x 12 x 10.5 in; 35 lb ea..... $950/pr

Model O/3 Subwoofer Kit
Mirror-image dual-channel subwoofer kit with transmission-line design and 10″ woofer. Normal input for use with Fried satellite speakers, biamp input for use with other satellites. Response within 3 dB at 20 Hz; power range 25-200 W; fuse protected. 31 x 24.5 x 13.5in..... $700/pr
Model SM/3. Similar to Model O12 except 12″ woofer and max power 400 W. 38 x 29.5 x 15 in. Kit..... $800/pr

A/3 2-Way Speaker
Features 8″ polypropylene woofer; 1″ soft-dome tweeter; edge-on free-flow filters; line tunnel. FR 45-20,000 Hz ±3 dB; power range 25-100 W; imp 8 ohms; crossover frequency 2,000 Hz; sens 89 dB SPL/W/m. 23 x 13 x 10.5 in;..... $650/pr

Q/3 2-Way Speaker
Features 8″ polypropylene woofer; dome tweeter; edge-on free-flow filters; circuit-breaker protection. FR 45-20,000 Hz; minimum power 20 W; maximum power handing 100 W. Walnut or black-ash finish. 20 x 13 x 10.5 in;..... $440/pr

Beta Full-Range Speaker
Full-range speaker of mini-monitor proportions with polypropylene cones and linear crossovers. Features 6.5″ polypropylene woofer; composite tweeter with 2″ cone and 0.62″ dome; series filter crossover; distributed bass-loading free-flow filter system. Walnut or black-ash finish. 13.5 x 8 x 8 in; ... $325/pr

Duo Subwoofer
"Flow-resistance" floor-standing subwoofer with dual-voice-coil polypropylene driver. Features 10″ cone woofer. FR 30-100 Hz ±3 dB; power range 20-200 W; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or black-ash finish..... $330 ea

GOLD SOUND

All Gold Sound speakers are kits comprised of speaker components and crossovers, grill material, damping, and 18 pages of plans and instructions.
Kit #6
Brown sealed-enclosure speaker system features two 8″ woofers; two 5.25″ cone midranges; two 1.5″ dome tweeters; FR 32-30,000 Hz ±2 dB; sens 93 dB SPL; min power 5 W; crossover frequencies 60, 200 at 3,000 Hz; imp 4 ohms; optional oiled walnut. 37 x 14 x 11 in..... $799/pr

Kit #9
Brown vented-enclosure speaker system features two 15″ woofers; 7″ cone midrange; horn tweeter; separate midrange control; FR 26-30,000 Hz ±3 dB; sens 98 dB SPL; min power 5 W; crossover frequencies 60, 250 at 4,000 Hz; imp 4 ohms; optional oiled walnut. 46 x 29 x 19 in..... $798/pr

Kit #10
Brown vented-enclosure speaker system features 15″ woofer; 7″ cone midrange; 1″ tweeter; separate midrange and tweeter controls; FR 28-21,000 Hz ±3 dB; sens 93 dB; min power 5 W; crossover frequencies 300 at 5,000 Hz; imp 8 ohms; optional oiled walnut. 44 x 18 x 17 in..... $1,288/pr

2018
Brown vented-enclosure speaker system features 18″ woofer; 8″ cone midrange; separate midrange and tweeter controls; FR 28-21,000 Hz ±3 dB; sens 95 dB; min power 5 W; crossover frequencies 400, 1,400 at 5,000 Hz; imp 8 ohms; optional oiled walnut. 46 x 29 x 19 in..... $1,495/pr

Kit #14
Brown vented-enclosure speaker system features 18″ woofer; 8″ cone midrange; separate midrange and tweeter controls; FR 28-21,000 Hz ±3 dB; sens 95 dB; min power 5 W; crossover frequencies 200, 1,200 at 5,000 Hz. 46 x 29 x 19 in..... $1,988

REUBEN GUSS ENTERPRISES

Custom Monitor
Custom speaker system with 204 drivers in 8 enclosures. Features 24 15″ woofers; 48 5″ midranges; 32 1″ dome tweeters; 100 custom piezos. Power range 100-900 W rms. 4 cabinets 30 x 72 x 20 in; 4 cabinets 22 x 72 x 16 in..... $100,000/system

System 1-Guss Monitor Speaker
Floor-standing speaker system with 102 drivers in 4 enclosures. Features 12 15″ cone woofers; 24 5″ dome dual-diaphragm midranges; 16 1″ dome tweeters; 50 custom Piezo-electric supertweeters. Controls include midrange; tweeter; rear-ambience; satellite. FR 25-25,000 Hz ±3 dB; power range 30-600 W; sens 92 dB SPL/W/m; imp 6 ohms; walnut oak; 36 x 73 x 21 in; 375 lb, 60 lb $50,000/system

System 2-Symphony Speaker System
Floor-standing speaker system with 26 drivers in 4 enclosures and 3-D Focus control. Features 4 15″ cone woofers; 6 5″ dome dual-diaphragm midranges; 4 1″ dome tweeters; 12 custom Piezo-electric supertweeters. Controls include midrange; tweeter; rear-ambience; satellite. FR 28-22,000 Hz ±3 dB; power range 30-300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut and oak finishes. 2 cabinets 22 x 54 x 20 in and 28 x 25 x 8 in; 165 lb, 12 lb$15,000/system

System 3-Concerto Speaker System
Floor-standing speaker system with 22 drivers in 4

enclosures. Features 4-12″ cone woofers; 6-5″ dome dual-diaphragm midranges; 4-1″ dome tweeters; 8 custom Piezo-electric supertweeters. Controls include midrange; tweeter; rear-ambience; and satellite. FR 30-22,000 Hz ±3 dB; power range 30-300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut and oak finishes. 2 cabinets 22 x 54 x 20 and 28 x 25 x 8 in; 150 lb, 12 lb. $9,000/system

System 4-Sonata Speaker
Floor-standing speaker system with 12 drivers in 4 enclosures. Features 2-12″ woofers; 2-5″ dome dual-diaphragm midranges; 6 custom Piezo-electric supertweeters. Controls for midrange; tweeter; satellite. FR 32-22,000 Hz ±4 dB; power range 30-200 W; sens 90 dB SPL/W/m; imp 4 ohms; walnut and oak; 17 x 28 x 15 in; 70 lb, 4 lb $4,000/system

HARTLEY PRODUCTS

The Reference
Floor-standing 4-way speaker system with 24″ woofer, 10″ midrange, two 7″ tweeters. Crossovers 125, 3,000, 8,000 Hz; FR 16-25,000 Hz; power range 25-300 W; imp 5-8 ohms; wood cabinet with removable knit grille; 50.25 x 36 x 24 in. $5,195/pr

The Concertmaster
Floor-standing 4-way speaker system with 18″ woofer, 10″ midrange, two 7″ tweeters. Crossovers at 125, 3,000, 8,000 Hz; FR 16-25,000 Hz; power range 25-300 W; imp 5-8 ohms; wood cabinet with removable black grille; 41.5 x 29 x 18 in. $3,995/pr

SPL-1 System
Includes 2 SW-10 bass modules, ST-4 phasor arrays, tilt stands for SW-10, aluminum adjustable stands for ST-4, mounting screws, stereo crossover, Allen key. All parts have hand-rubbed walnut veneers; black knit grilles. FR 25-25,000 Hz ±3 dB.
SW-10. Aligned air-column subwoofer with 10″ woofer with 1″ high-temperature dual voice coil, polymer cone, magnetic suspension, EFM magnet; 3″ polymer cone midrange, magnetic suspension, with two 3″ air columns; imp 6 ohms; power range 15-100 W rms.
ST-4. Polar-aligned phasor with phasor-array supertweeter; imp 8 ohms; power range 15-150 W rms; 12 x 5 x 5 in $1,700/system

The Reference Mini-Tower
Floor standing 2-way speaker with two 6.5″ thermoplastic woofers with high temperature voice coils and heat sinks. Features 1″ hybrid dome tweeter; crossover 3,100 Hz; power range 5-150 W; imp 4 ohms; FR 32-25,000 Hz; oak veneered cabinet with removable knit grille; 32.5 x 11.5 x 12 in $600/pr

HECO OF AMERICA

SAT 6000 Bookshelf Speaker
Acoustic-suspension speaker with low-loss crossover for amplitude and phase-response correction. Features 4.12″ cone woofer; 1″ metal-dome tweeter. FR 80-32,000 Hz ±3 dB; max power 50 W rms; sens 87 dB SPL/W/m; imp 4 ohms; crossover point at 2,200 Hz with 12 dB/octave slope. Black metalllic finish. 5.75 x 8.25 x 5.12 in; 5.5 lb $300/pr

D6300 2-Way Speaker
Bookshelf acoustic-suspension speaker with 4.12″ cone woofer and 1″ metal-dome tweeter. FR 80-3,200 Hz ±3 dB; max power 50 W rms; sens 87 dB SPL/W/m; crossover point at 2,000 Hz with 12 dB/octave slope. Black metallic finish. 8.12 x 4.5 x 4.75 in; 7.25 lb $300/pr

Subwoofers

Sub 6000 Compact Subwoofer
Floor-standing subwoofer with auto or manual turn on/off. Driven by 90-W amp and includes two 60-W amps to drive satellite speakers. Features 10″ cone woofer; adjustable input sens and bass level. FR 25-120 Hz ±3 dB; max power 90 W rms; sens 90 dB SPL/W/m; crossover slopes 24 dB/octave for subwoofer, 12 dB/octave for mids and highs fixed at 120 Hz. Available in black metallic finish. 11 x 11 x 12 inches; 22 pounds. . . . . $665 ea

HEYBROOK BY D'ASCANIO AUDIO

HB-3 3-Way Speaker
Hand-assembled acoustic-suspension speaker with 10″ doped-cone woofer; 4.5″ doped-cone midrange and 0.75″ soft-dome tweeter; removable rear panel for bi- and tri-amping. FR 35-20,000 Hz ±3 dB; power range 15-200 W. Real walnut, or gloss-black finish. 25 x 13.36 x 11.36 in; 46 lb $1,498/pr

HB-200 2-Way Speaker
Dual-reflex-tuned speaker with 6.5″ woofer and metal-dome tweeter. Features FR 34-22,000 Hz; sens 88 dB; nom imp 8 ohms; power range 15-100 W; 18 x 11 x 9. Black ash or walnut $999/pr

HB-150 2-Way Speaker
Dual-reflex-tuned speaker with 6.5″ woofer and metal-dome tweeter. Features FR 40-22,000 Hz; sens 88 dB; nom imp 6 ohms; power range 15-100 W. 16 x 9 x 9 in. Black ash or walnut finish $799/pr

HB-100 2-Way Speaker
Infinite-baffle speaker with 8″ woofer and metal-dome tweeter. Features FR 50-20,000 Hz; sens 89 dB; nom imp 8 ohms; power range 15-100 W; 19 x 11 x 10 in. Black or woodgrain finish $599

HB-1 2-Way Speaker
Hand-assembled acoustic-suspension bookshelf speaker with 8″ doped-cone woofer; 1″ dome tweeter. Features removable rear panel for biamping. FR 42-20,000 Hz ±3 dB; imp 8 ohms; power range 10-75 W; sens 89 dB SPL/W/m. Walnut vinyl or gloss-black finish. 18.75 x 11.5 x 9.25 in; 19 lb. $399/pr

POINT SEVEN 2-Way Speaker
Infinite-baffle speaker with 6.5″ woofer and metal-dome tweeter. Features FR 45-24,000 Hz; sens 87 dB; nom imp 6 ohms; power range 15-75 W; 16 x 9 x 9 in. Black finish. $399/pr

POINT FIVE 2-Way Speaker
Hand-assembled infinite-baffle bookshelf speaker with 6.5″ doped-cone woofer; .75″ dome tweeter; structurally-rigid cabinet. FR 50-20,000 Hz ±3 dB; power range 15-75 W; sens 87 dB; nom imp 6 ohms. 14 x 9 x 9 in. Black finish $299/pr

HITACHI

HSA4040 3-Way Tower Speaker
12″ woofer; 3″ midrange; 2″ tweeter; 12″ passive radiator in rear; max power 120 W; wood cabinet; detachable grille cloth $300/pr

HSA3050 3-Way Tower Speaker
10″ woofer; 3″ midrange; 2″ tweeter; max power 60 W; detachable grille cloth $250/pr

HSA2028 2-Way Tower Speaker
Bass reflex; 8″ woofer; 2″ tweeter; max power 30 W; wood cabinet $150/pr

IMAGE

All speakers have nominal impedances of 6 ohms, with minimum impedance of 4 ohms, and black grilles.

Concept 200 Ported Speaker
2 6.5″ woofers; 0.75″ damped hyperbolic cotton dome tweeter; crossover at 2,100 Hz; Italian black walut vinyl. FR 30-23,000 Hz ±2 dB; sens 87 dB; power range 35-200 W; 43 x 10 x 15 in . . $1,000/pr

Concept 100 Ported Speaker
6.5″ woofer; 0.75″ damped hyperbolic cotton dome tweeter; crossover at 2,100 Hz; Italian black walut vinyl. FR 45-23,000 Hz ±2 dB; sens 87 dB SPL/W/m; power range 35-100 W; 16 x 9 x 11; 23 lb each $600/pr

Reference Two Ported Speaker
8″ polypropylene damped woofer; 1″ polyester soft-dome tweeter; crossover at 2,100 Hz; lagos hickory vinyl. FR 35-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; power range 20-100 W; 24 x 11 x 12; 31 lb each. $450/pr

Reference One Ported Speaker
8″ polypropylene damped woofer; 0.75″ polyester soft-dome tweeter; crossover at 2,500 Hz; lagos hickory vinyl. FR 40-20,000 Hz ±3 dB; sens 89 dB SPL/W/m; power range 20-100 W; 19 x 10 x 9; 20 lb each. $350/pr

Reference .5 Ported Speaker
6.5″ polypropylene damped woofer; 0.75″ polyester soft-dome tweeter; crossover at 2,500 Hz; lagos hickory vinyl. FR 45-20,000 Hz ±3.5 dB; sens 87 dB SPL/W/m; power range 20-75 W; 16 x 10 x 9; 15 lb each. $250/pr

INFINITY

IRS Series V Reference Speaker
Modular 4-piece 3-way floor-standing speaker. Features 2 woofer modules with six 12″ woofers in feedback loop of servo amp (2 1,800-W woofer amps); 2 midrange/tweeter modules with 12-dipole midrange drivers; 36 tweeters in dipole line-source array (24 front/12 rear-facing); bass variable low-pass filters; low-pass variable damping; woofer level controls; selectable input imp midrange/tweeter amp control; woofer phase switch; servo bass on/off circuit; Monster Cable wiring for midrange and woofer. FR 16-40,000 Hz ±2 dB; crossovers 70 Hz nominal, 60-120 Hz at main control unit woofer/midrange, 5,000 Hz midrange/tweeter; midrange/tweeter amp input range 100-500 W/ch; oiled and "Grand Piano" indian rosewood finish; 100-ft cable for hookup of midrange/tweeter to midrange/tweeter amp. Woofer modules: 76″ h x 18″ square; midrange/tweeter modules 76″ h x 40″ w (with hollow and sand-filled curved wing sections) . . $50,000/system

IRS Series

IRS Beta Speaker
Includes (per side) four 12″ woofers with servo-controlled polylpropylene/graphite fiber injection molded cones; 2 upper bass/midrange (70 Hz-60 kHz) planar push-pull drivers which act as a dipole; low-mass EMIT with neodymium magnets for upper midrange; low mass/neodymium EMIT's from IRS V (in a dipole configuration) for the lower treble; SEMIT (a smaller aperture EMIT) which extends response beyond 44 kHz. The system operates in a bi-amp mode and includes the IRS V servo control unit $10,500
IRS Gamma. Similar to Beta with 2 woofers and 1 upper-bass midrange $6,950
IRS Delta. Similar to Gamma with accelerometer servo system $5,500

Kappa Series

9 Kappa Reference Standard Speaker
5-way design features 2 12″ cast frame L/C tuned woofers; SEMIT K supertweeter; rear-firing EMIT K tweeter; 3″ polydome rear radiator; polygraph K composite polypropylene/graphite 5″ mid-bass dome; 3″ edgewound polydome K midrange; internal crossovers; bi-ampable; oak solids and veneer with high-density particle board with a furniture-grade lacquer finish. FR 29-45,000 Hz ±3 dB; crossover frequencies 80, 800, and 4,500 Hz; power rating 60-340 W/rms; sens 89 dB; imp 4-6 ohms. 59.5 x 21.5 x 8 in $2,898/pr

8 Kappa Speaker
4-way design similar to 9 Kappa without supertweeter, rear-firing tweeter and radiator, and 1 woofer. FR 33-45,000 Hz ±3 dB; power rating 50-250 W/rms; sens 89 dB SPL/W/m; imp 4-6 ohms. 47.5 x 20.5 x 8 in..... $1,998/pr

7 Kappa Speaker
3-way design similar to 8 Kappa with 12″ woofer, 3″ polydome K midrange, and EMIT K tweeter. Power rating 40-200 W/rms; FR 37 Hz-45,000 Hz. 37 x 17 x 12 in $1,398/pr

6 Kappa Speaker
3-way design similar to 7 Kappa except the woofer is 10″. Power rating 30-150 W/rms; FR 39 Hz-45,000 Hz. 25 x 15 x 10.5 in..... $998/pr

SM Speaker Series

SM 150 3-Way Speaker
floor-standing bass-reflex speaker with 15″ cone woofer, 2-4.5″ midranges, and 1″ polycell dome tweeter. FR 29-27,000 Hz ±3 dB; minpower 10 W/rms, max power 300 W/rms; sens 101 dB SPL/W/m; imp 8 ohms; rosewood vinyl; 19 x 39.5 x 12.5 in..... $1,118/pr

SM 120 3-Way Speaker
Floor-standing bass-reflex speaker with front-mounted high- and mid-level controls. Features contains 12″ cone woofer; 4.5″ cone midrange; 1″ polycell-dome tweeter. Min power 10 W/rms, max power 200 W/rms; sens 98 dB SPL/W/m; imp 8 ohms; rosewood vinyl; 15.75 x 33.25 x 12.5 in $798/pr

SM 100 2-Way Speaker
Floor-standing bass-reflex speaker with 10″ cone woofer and 1″ polycell-dome tweeter. Min power 10 W/rms, max power 150 W/rms; sens 98 dB SPL/W/m; imp 8 ohms; rosewood vinyl; 14 x 29.5 x 12.5 in..... $558/pr

RS Speaker Series

RS 6000A 3-Way Speaker
Features 2 10″ cone woofers, 2″ dome midrange, EMIT planar tweeter. FR 41-44,000 Hz ±3 dB; sens 89 dB SPL/W/m; min power 35 W rms; max power 200 W rms. 15 x 37 x 10 in..... $938/pr

RS 5000A 3-Way Speaker
Acoustic-suspension speaker with 10″ cone woofer, 3.5″ cone midrange, and EMIT planar tweeter. FR 42-32,000 Hz ±3 dB; min power 20 W rms, max power 135 W rms; sens 89 dB SPL/W/m; imp 6 ohms; oak vinyl; 15 x 24 x 10.25 in $638/pr

RS 4000A 3-Way Speaker
Bookshelf acoustic-suspension speaker with 8″ cone woofer, 3.5″ cone midrange, and EMIT planar tweeter. FR 44-32,000 Hz ±3 dB; min power 20 W rms, max power 125 W rms; sens 89 dB SPL/W/m; imp 6 ohms; oak vinyl; 12.5 x 22.5 x 10.25 in..... $498/pr

RS 3000 2- Way Speaker
Bookshelf acoustic-suspension speaker with 8″ cone woofer and 1″ polycell dome tweeter. FR 45-22,000 Hz ±3 dB; min power 20 W rms; max power 100 W rms; sens 89 dB SPL/W/m; imp 6 ohms; oak vinyl; 12 x 20.75 x 10.25 in..... $358/pr

RS 2000 2-Way Speaker
Bookshelf acoustic-suspension speaker with 6.5″ cone woofer and 35 mm polycell dome tweeter. FR 57-22,000 Hz ±3 dB; min power 15 W rms; max power 75 W rms; sens 89 dB SPL/W/m; imp 6 ohms; oak vinyl; 8.8 x 14.25 x 7.75 in..... $230/pr

RS 1000 2-Way Speaker
Bookshelf acoustic-suspension speaker 4.5″ cone woofer and 35 mm polycell dome tweeter. FR 72-22,000 Hz ±3 dB; min power 8 W rms; max power 50 W rms; sens 89 dB SPL/W/m; imp 6 ohms; oak vinyl; 7.5 x 12.75 x 6.75 in..... $170/pr

INTERNATIONAL COMPONENTS

BHP-1062 2-Way Mini-Speaker System
Heavyweight 2-way mini speaker system features 5.25″ long-throw aluminum voice coil woofers with 30 oz magnet structure; 1″ true audiophile soft-dome tweeters with 15 oz magnet structure; electronic L/C crossover networks; imp 8 ohm; recessed, quick-connect speaker terminals; FR 50-21,000 Hz; fully shielded; circuit breaker protected; black, snap-on, open weave grilles; simulated walnut wood enclosures $139

MS-500AV Mini Amplified Stereo Speakers
Pocket-sized acoustic suspension speaker system with power booster for mini-stereo cassette players and recorders. Uses 4 penlite batteries or DC 6V power supply, not included..... $32

JAMO

Concert V Floorstanding Loudspeaker System
3-way bass reflex speaker. Features 6.5″ woofer; 1″ dome tweeter; continuous power 110 W; peak power 160 W; sens 93 dB/W/m; FR 30-22,000 Hz ±3 dB; cross-over frequencies 150/3500 Hz; imp 6 ohms; overload protection; 24K gold-plated binding posts; 31.5 x 14 x 11 in; 42 lb; mahogany or stained black ash..... $1,396

Concert II Bookshelf Loudspeaker System
2-way bass reflex speaker. Features 6.5″ woofer; 1″ dome tweeter; continuous power 80 W; peak power 120 W; sens 91 dB/W/m; FR 40-20,000 Hz ±3 dB; cross-over frequency 2000 Hz; imp 8 ohms; overload protection; 24K gold-plated binding posts; 16 x 9.5 x 10 in; 20 lb; mahogany or stained black ash .. $798

Digital Monitor Series
All Jamo Digital Monitor speakers feature Jamo's Center Bass Reflex technology for increased sound pressure at low frequencies and decreased sound coloration, phased-aligned drivers, anthracite finish, and detachable grilles.
Digital 200. 3-way speaker with 10″ woofer, 5″ midrange, and 1″ dome tweeter. Features treble and midrange sound pressure control; treble overload diode. Peak power 300 W; continuous power 200 W; sens 92 dB SPL/W/m; FR 20-24,000 Hz ±3 dB; crossover frequencies 540 and 3,800 Hz; imp 8 ohms. 32.25 x 15.75 x 13.75 in; 53 lb $1,198/pr
Digital 130. 3-way speaker with 8″ woofer, 4″ midrange, and 1″ dome tweeter. Features treble sound pressure control; treble overload diode. Peak power 180 W; continuous power 120 W; sens 91.2 dB SPL/W/m; FR 30-22,000 Hz ±3 dB; crossover frequencies 890 and 4,900 Hz; imp 8 ohms. 27.5 x 13.75 x 11.75 in; 37.5 lb..... $798/pr
Digital 100. 3-way speaker with 6.5″ woofer, 4″ midrange, and 1″ dome tweeter. Features treble sound pressure control; treble overload diode. Peak power 130 W; continuous power 90 W; sens 90 dB SPL/W/m; FR 35-20,000 Hz ±3 dB; crossover frequencies 960 and 5,000 Hz; imp 8 ohms. 23.5 x 11.75 x 9.75; 24 lb $598/pr

Professional Series
All Jamo Professional Series 3-way speakers are bass reflex and incorporate Jamo's proprietary Controlled Dispersion treble array of multiple horn-mounted tweeters. All Professional Series speakers feature XLR connection sockets and screwed terminals for large cables; removable wire-mesh grilles; black finish; reinforced corners, and a self-locking fixture for easy stacking.
Professional 400. Features 15″ woofer; 5″ horn midrange; 5-1″ horn tweeters. Peak power 560 W; continuous power 400 W; sens 95 dB SPL/W/m; FR 25-20,000 Hz ±3 dB; crossover frequencies 900 and 4,000 Hz; imp 8 ohms; max sound pressure 121 dB. 35.5 x 20.5 x 16.75; 92.6 lb $1,800/pr
Professional 300. Features 12″ woofer; 5″ horn midrange; 3-1″ horn tweeters. Peak power 420 W; continuous power 300 W; sens 94 dB SPL/W/m; FR 30-20,000 Hz ±3 dB; crossover frequencies 1,000 and 5,000 Hz; imp 8 ohms; max sound pressure 118 dB. 29.5 x 17.33 x 13.33; 57.3 lb..... $1,200/pr
Professional 200. Features 10″ woofer; 5″ horn midrange; 1″ horn tweeter. Peak power 280 W; continuous power 200 W; sens 93 dB SPL/W/m; FR 35-20,000 Hz ±3 dB; crossover frequencies 1,200 and 6,000 Hz; imp 8 ohms; max sound pressure 116 dB. 25.6 x 14.75 x 11.5; 42 lb $800/pr

SW-50/Monitor One Subwoofer/Satellite Package.
Consists of the SW-50 (below) Subwoofer and Monitor One Satellite System. Monitor One features 5″ midrange/woofer; 1″ dome tweeter; sens 87 dB/W/m; FR 42-20,000 Hz; crossover points 3.5 kHz; imp 8 ohms; subwoofer dimensions 15.5 x 13 x 13 in; satellite dimensions 10.25 x 6.66 x 8.5 in; 11 lb..... $819.95
SW50 Active Subwoofer. Subwoofer/satellite package features 10″ woofer; 80 W peak power; 55 W continuous power; FR 50-150 Hz; cross-over points 65-150 Hz (continuously variable); imp 47K ohms; overload LED; 26.5 lb..... $499.95

Art Wall Loudspeaker System
2-Way, flat panel, wall-hanging loudspeaker which works as full-range or satellite unit. Features 5″ woofer; 1″ dome tweeter; peak power 90 W; continuous power 60 W; sens 88 dB/W/m; FR 40-20,000 Hz ±3 dB; cross-over frequencies 3,000 Hz; imp 8 ohms; overload protection; 13.8 x 15.7 x 3.5 in; 10.6 lb; neutral-black and white lacquer finishes .. $400/pr

Magic Series

Magic 14 3-Way Speakers
3-way bass reflex system. Features 10″ woofer; 3.5″ midrange; 1″ dome tweeter; max power 200 W; FR 40-20,000 Hz; cross-over frequencies 1200/1400 Hz; imp 8 ohms; 20.8 x 12 x 8.6 in $499/pr

Magic 10 3-Way Speakers
3-way bass reflex system. Features 8″ woofer; 3.25″ midrange; 1″ dome tweeter; max power 140 W; FR 43-20,000 Hz; crossover frequencies 1500/4000 Hz; imp 8 ohms; 18.8 x 11 x 8.64 in $399/pr

Magic 8 3-Way Speakers
3-way bass reflex system. Features 6.5″ woofer; 2″ midrange; 1″ dome tweeter; max power 120 W; FR 47-20,000 Hz; crossover frequencies 1500/5000 Hz; imp 8 ohms; 16.6 x 9.6 x 8.6 in $299/pr

Magic 6 3-Way Speakers
3-way bass reflex system. Features 5″ woofer; 2″ midrange; .75″ tweeter; max power 90 W; FR 55-20,000 Hz; crossover frequencies 4000/8000 Hz; imp 8 ohms; 12 x 7.52 x 8.4 in $199/pr

Compact Line Series
C120. Bookshelf 3-way bass-reflex speaker with 8″ dual-magnet woofer, 5″ midrange, and 1″ dome tweeter. FR 38-20,000 Hz ±3 dB; peak power 140 W; continuous power 120 W; sens 92 dB SPL/W/m; crossover frequencies 1,200 and 5,000 Hz; imp 8 ohms. Black or white finish. 16.5 x 10.25 x 8.75; 14.3 lb..... $338/pr
C90. Bookshelf 3-way bass-reflex speaker with 8″ cone woofer, 3.25″ cone midrange, and 1″ dome tweeter. FR 40-20,000 Hz ±3 dB; peak power 120 W; continuous power 90 W; sens 91.6 dB SPL/W/m; crossover frequencies 1,200 and 4,000 Hz; imp 8 ohms. Black or white finish. 14.5 x 9 x 8.75 in; 11 lb..... $278/pr
C70. Bookshelf 2-way bass-reflex speaker with 6.5″ woofer and 1″ dome tweeter. FR 45-20,000 Hz ±3 dB; peak power 90 W; continuous power 70 W; sens 90 dB SPL/W/m; crossover frequency 2,500 Hz; imp 8

ohms. Black or white finish. 12 x 7.5 x 8.25; 8.4 lb $198/pr

C60. Bookshelf 2-way bass-reflex speaker with 4″ cone woofer and 2″ cone tweeter. FR 70-20,000 Hz ±3 dB; peak power 60 W; continuous power 50 W; sens 89 dB SPL/W/m; crossover frequency 2,600 Hz; imp 4 ohms. Black finish; 6.5 x 4 x 6.75 in; 2.9 lb $159/pr

SW1 Subwoofer/Satellite Loudspeaker System
Features 2-8″ bass drivers; push-pull/passive subwoofer; 4″ midrange and 2″ tweeter satellite drivers; peak power 140 W; continuous power 80 W; sens 90 dB/W/m; FR 35-20,000 Hz ±3 dB; crossover frequencies 200 Hz/4.5 kHz; imp 8 ohms; overload protection; subwoofer 19 x 13.3 x 8 in; satellite 6.5 x 4 x 6.66 in; system 28.6 lb $449

JBL

Everest DD55000 3-Way Speaker
Features constant-directivity design; 15″ woofer in a vented enclosure; defined-coverage horn-loading midrange; bi-radial constant-coverage horns; ultra-high-frequency slot-loaded ring radiator; mylar capacitors; aircone inductors; polystyrene and polypropylene bypass capacitors; 3 position switches to vary output levels of compression driver and ring radiator; mid-bass attenuator; high-density compressed wood; Rosewood veneer. Power range 40-250 W; imp 8 ohms; sens 100 dB SPL/W/m; crossovers 850 and 7,500 Hz. Mirror-image pairs. 55.13 x 36 x 20 in $9,900/pr

Cascade
Floor-standing speaker with 14″ aquaplas-laminate woofer, four 3″ edge-driven titanium dome mid-



ranges, one 1″ titanium dome tweeter, all in a vertical array. Features shallow-profile wood enclosure with beveled edges; foam-covered baffle; offset baffle. Max power handling 400 W/ch; imp 6 ohms; crossovers 400 Hz and 3,000 Hz; sens 89 dB; FR 24-24,000 Hz ±3 dB. 58 x 21.5 x 12 in $2,395

LT Series

L100T 3-Way Speaker
Floor-standing speaker with 12″ aquaplas-laminate woofer, 5″ high-polymer-laminate midranger, and 1″ pure-titanium-diaphragm tweeter. Max power 200 W continuous, 800 W peak; crossovers 800 and 4,500 Hz; sens 91 dB SPL/W/m. Oiled hardwood veneer. 36.5 x 16 x 13.25 in; 70 lb ..... $625 ea

L80T 3-Way Speaker
Floor-standing speaker with 10″ aquaplas-laminate woofer; 5″ polymer-laminate midrange; 1″ pure-titanium-diaphragm tweeter. Power handling: 150 W continuous, 600 W peak; crossovers 800 and 4,500 Hz; sens 90 dB SPL/W/m. Oiled hardwood veneer. 33.5 x 14 x 11.75 in; 53 lb ..... $465 ea

L60T 2-Way Speaker
Floor-standing speaker with 8″ high-polymer-laminate woofer and 1″ pure-titanium tweeter. Power handling: 120 W continuous, 400 W peak; crossover 2,500 Hz; sens 89 dB SPL/W/m. Oiled hardwood veneer; 30.5 x 12 x 10 in; 38 lb ..... $345 ea

L20T 2-Way Speaker
Bookshelf speaker with 6 5″ filled-polypropylene woofers and 1″ pure-titanium-diaphragm tweeter. Power handling: 100 W continuous; 400 W peak; crossover 3,000 Hz; sens 88 dB SPL/W/m. Oiled hardwood veneer. 9.36 x 14.75 x 8.5 in;36 lb$235 ea

JBL series
Features optional Santa Rosa Oak finish.
JBL 830 3-Way Speaker
Floor-standing bass-reflex speaker with 2 8″ high-polymer-laminate cone woofers, and 1″ titanium-laminate dome tweeter. FR 40-25,000 Hz ±3 dB; minimum power 10 W rms, max power 200 W rms; sens 94 dB SPL/W/m; imp 4 ohms; rosewood vinyl finish; 53 lb; 39.75 x 16.75 x 8.75 in ..... $325 ea

JBL 630 3-Way Speaker
Floor-standing bass-reflex speaker with 2 6.5″ high-polymer cone woofers and 1″ titanium-laminate dome tweeter. FR 42-25,000 Hz ±3 dB; min power 10 W rmsS, max power 150 W rms; sens 93 dB SPL/W/m; imp 4 ohms; rosewood vinyl finish. 40 lb; 15 x 35.75 x 8.25 in ..... $245 ea

JBL 82 2-Way Speaker
Floor-standing bass-reflex speaker with 8″ polymer-laminate cone woofer and 1″ titanium-laminate dome tweeter. FR 45-25,000 Hz ±3 dB; min power 10 W rms; max power 125 W rms; sens 90 dB SPL/W/m; imp 8 ohms; rosewood vinyl finish. 30 lb; 14 x 22 x 8 in ..... $175 ea

JBL 62 2-Way Speaker
Bookshelf bass-reflex speaker with 6.5″ high-polymer-laminate cone woofer and 1″ dome tweeter. FR 55-25,000 Hz ±3 dB; min power 10 W rms, max power 100 W rms; sens 89 dB SPL/W/m; imp 8 ohms; rosewood vinyl finish. 16 lb; 10 x 16 x 7 in $125 ea

JBL 52TQX 2-Way Speaker
Bookshelf speaker with 5″ high-polymer-laminate cone woofer and 1″ dome tweeter. FR85-20,000 Hz; min power 10 W rms, max power 80 W rms; sens 89 dB; imp 8 ohms; crossover at 4,000 Hz. 11.5 x 6.75 x 7.5 in; 10 lb ..... $89 ea

Ti Series

250 Ti 4-Way Speaker
Floor-standing speaker with 14″ woofer, 8″ lower midrange, 5″ polypropylene midrange, and 1″ titanium-diaphragm tweeter. Mirrored-image SFG magnetic structure. Max power 400 W; nominal imp 8 ohms; crossovers 400, 1,400, and 5,200 Hz; sens 90 dB SPL/W/m. Hand-oiled Burmese teak finish. 52 x 22.5 x 14.25 in; 126 lb ..... $2,195 ea

240 Ti 3-Way Speaker
Floor-standing speaker with 14″ woofer, polypropelene midrange, and ultra-low-mass pure-titanium-diaphragm tweeter. Features SFG magnetic structure. Max power 300 W/ch; nominal imp 8 ohms; crossover 900 Hz, 4,000 Hz; sens 89 dB SPL/W/m. Hand-oiled Burmese teak; 36.62 x 18 x 12 in; 85 lb$995 ea

120 Ti 3-Way Speaker
Features 12″ woofer; polypropelene midrange; ultra-low-mass pure-titanium-diaphragm tweeter; SFG magnetic structure. Max power 250 W; nominal imp 8 ohms; crossovers 900 and 4,000 Hz; sens 89 dB SPL/W/m. Hand-oiled Burmese teak; 24.5 x 14.5 x 11 in; 54 lb ..... $645 ea

18 Ti 2-Way Speaker
Features 6.5″ polypropylene woofer; ultra-low-mass pure-titanium-diaphragm tweeter; SFG magnetic structure. Max power 200 W; nominal imp 8 ohms; crossover 3,000 Hz; sens 88 dB SPL/W/m. Hand-oiled Burmese teak; 14.75 x 9.36 x 7.19 in; 17.5 lb$345 ea

Signature Series

S-2 2-Way Speaker
Pedestal speaker with 8″ high-polymer-laminate woofer and 4.75″ titanium-laminate tweeter. Features omnidirectional enclosure; woofer fires upward; ported enclosure; hidden terminals. Imp 8 ohms; sens 88 dB; FR 40-20,000 Hz; 100 W max power. 40 x 10 x 10 in; 40 lb ..... $550 ea

Pro VIII 2-Way Speaker
Wall-mount speaker with 1″ titanium-dome tweeter, 6.5″ high-polymer-laminate woofer; spatial identification dividing network; optional wall and ceiling-mounting hardware; magnetically shielded. Sens 90 dB; FR 55-27,000 Hz; 120 W max power; imp 6 ohms; crossover 3,000 Hz. 15 x 9.5 x 9 in; 26 lb . $425/pr
MTC-51. Wall-mounting system for Pro VIII $195/pr
MTC-52. Ceiling-mounting system for Pro VIII $145/pr

S-4 2-Way Speaker
Wall-mount speaker with 1″ titanium dome tweeter and 6.5″ high-polymer-laminate woofer. Features flush-mounting capability; can be used with S-1 subwoofer. Imp 8 ohms; sens 88 dB; FR 125-22,000 Hz; 100 W max power. 12 x 8.75 x 3.6 in; 16 lb $295/pr

Pro III 2-Way Speaker
Audio/video monitor with 1″ titanium-dome tweeter, 5″ high-polymer mid/low driver, and high-spatial-identification dividing network. Features magnetic shielding; die-cast enclosure material; polypropylene structural foam surround. Sensitivity 87 dB SPL/W/m; maximum power handling 100 W rms. 9.5 x 6.25 x 5.63 in $285/pr
MTC-1 Adaptor. Clamp-on unit that allows Pro III to be mounted on photo tripods, mic stands and other wall or clamp-mount systems $45/pr
MTC-2 Wall/Ceiling Mount System. Allows Pro III to be mounted on any rigid surface while permitting the speaker to be aimed in almost any direction. Includes MTC-1 ..... $65 ea
MTC-3 Clamp Mount System. Allows Pro III to be clamped to a variety of objects such as shelves, poles or table tops while permitting a range of adjustments. Includes MTC-2 ..... $95 ea

S-3 2-Way Speaker
Wall-mount speaker with 1″ titanium dome tweeter and 5.25″ polymer-laminate woofer. Features flush-mounting capability; can be used with S-1 subwoofer. Imp 8 ohms; sens 86 dB; FR 125-22,000 Hz; 100 W max power. 10.5 x 7.25 x 3.6 in; 14 lb $245/pr

Subwoofers

B460 Subwoofer
Bass system consists of JBL Model 2245H 18″ driver mounted in vented enclosure of 8 cubic feet. The combination is third-order quasi-Butterworth. Features die-cast aluminum frame; integrally stiffened cone with foam surround; edge-wound voice coil with 4″ diameter and nearly 1″ long; individually machined magnetic pole piece and back plate; cone coated with aquaplas damping formulation for optimum mass and density; large high-flux symmetrical-field-geometry magnetic structure in drivers to reduce second-harmonic distortion; density-compressed wood enclosure; 1″ thick and heavily braced. Min recommended power 200 W; imp 8 ohms; crossovers 63 Hz (external crossover); sens 94 dB; magnetic assembly weight 20 lb; 24.81 x 38.31 x 24.25 in; shipping weight 125.5 lb. . . . . $1,795 ea

B-380 Subwoofer
Bass system with 15″ bass driver and 4″ ribbon-wire voice coil in a vented alignment. Features handcrafted oiled American black walnut veneer cabinet; biamp option with BX63A; max recommended power 600 W; crossover frequency 63 Hz; sens 90 dB; 27.5 x 20.75 x 17 in . . . . . $795 ea

S-1 Pedestal Loudspeaker
Pedestal subwoofer for use with JBL signature series wall-mount speakers. Features 8″ downward-firing high-polymer-laminate woofer; dual voice coil; external passive crossover network; ported enclosure; 4 pairs of speaker terminals. Imp 8 ohms; sens 88 dB; FR 40-200 Hz; 100 W max power. 33.5 x 10 x 10 in; 38 lb. Available in walnut veneer, black lacquer, white lacquer, and rosewood vinyl $300–500

BX63A Dividing-Summing Network
Electronic dividing-summing network designed to match characteristics of JBL B380 and B460 subwoofers. Features active low-pass filter with crossover frequency continually adjustable from 63 to 125 Hz. Passive high-pass will bridge stereo amp to provide single-ch drive. Provides proper voltage drive for JBL B380 or B460 subwoofers, adjustable imp compensation for different amps. S/N 95 dB; THD 0.01%; max outputs 18 dBV (10,000 ohm output load); IMD SMPTE 0.01%; 2 lb; 1.88 x 5.5 x 7.5 in $375

JENSEN

Model 3150 Concert Series
3 way speaker with 15″ woofer, 5″ midrange, and 3″ dynamic cone tweeter. FR 33-21,000 Hz; imp 8 ohms. 32 x 18.5 x 11.5 . . . . . $350/pr

Model 3120 3-Way Speaker
Features 12″ cone woofer; 5″ midrange; 3″ tweeter. FR 48-21,000 Hz; max power 150 W peak; imp 8 ohms. 29 x 15.5 x 10.5 in $280/pr

Model 3100 3-Way Speaker
Features 10″ cone woofer; 5″ midrange; 3″ tweeter. FR 43 Hz-21 kHz; max power 125 W peak; imp 8 ohms. 20 x 13 x 10.5 in. $220/pr

JOHN MAROVSKIS AUDIO

Janis W1 Subwoofer
Subwoofer system with slot loaded design. Features crossover at 18 dB per ocatave at 100 Hz; 60 W/ch into 8 ohm; variable bass level +15 dB above unity gain; comparator switch allows user to by-pass the crossover amplifier circuitry fo the interphase unit; 90 lb furniture-finished enclosure; brazilian monarch, rosewood, or coca bola $895
American walnut, White oak, black $795
Utility particle core with walnut edging and base $720

Janis W3 Subwoofer
Similar to the Janis W1 subwoofer but smaller, can be used with a 2-way speaker system. Features 12″ woofer; extra heavy polypropylene cone and massive magnetic sturcture; max power output 103 dB at 30 Hz; FR 30-100 Hz ±1 dB; max amp power 100-150 W; imp 5 ohm; Brazilian Monarch Rosewood or Coca Bola $650
American walnut, White oak, or black $550

JPW LOUDSPEAKERS

AP3 Infinite-Baffle Speaker
Features wiring for bi-amp capabilities; 200-mm doped-paper-cone woofer; 19-mm soft-plastic dome tweeter with Ferrofluid damping. FR 55-20,000 Hz ±3 dB; min power 10 W rms ; max power 100 W rms; sens 100 dB SPL/W/m; imp 8 ohms Available in walnut, black ash, blonde ash or teak finishes. 53.36 lb/pr; 10.25 x 20.5 x 11.5 in $549/pr

AP2 Infinite-Baffle Speaker
Features wiring for bi-amp capabilities; 200-mm doped-paper-cone woofer; 19-mm soft-plastic dome tweeter with Ferrofluid damping. FR 60-20,000 Hz ±3 dB; min power 10 W rms; max power 80 W rms; sens 80 dB SPL/W/m; imp 8 ohms. Available in walnut, black, blonde ash and teak finishes. 42.32 lb/pr; 10.25 x 17.25 x 10.25 in $399/pr

P1 Infinite-Baffle Speaker
Floor-standing speaker features 200-mm doped-paper-cone woofer; 19-mm soft-plastic dome tweeter with Ferrofluid damping. FR 65-20,000 Hz ±3 dB; min power 10 W rms; max power 70 W rms; sens 90 dB SPL/W/m; imp 8 ohms. Available in walnut and black finishes. 33.5 lb/pr; 10.25 x 17.25 x 10.25 in $349/pr

JRM

Transparency Satellite Tower
Triamped sealed satelliate features eight 6″ woofer; horn midrange; 1.87″ horn tweeter; FR 20-20,000 Hz ±2 dB; 98 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 8 x 16 x 66 in . . $1,700/pr

Monitor
Powered speaker with 6″ woofer; 3″ cone midrange; horn tweeter; separate level controls for woofer, midrange, tweeter and supertweeter; FR 20-20,000 Hz ±2 dB. Optional oiled walnut finish $1,200/pr

Transparency Subwoofer S18B
QB3 vented subwoofer features 18″ woofer; FR 27-250,000 Hz ±1.5 dB; 94 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 36 x 25 x 24 in; 175 lb $700/pr

Transparency Subwoofer S18B-6
B6 vented subwoofer features 18″ woofer; FR 20-250,000 Hz ±1.5 dB; 94 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 36 x 25 x 24 in; 175 lb $700/pr

Transparency Subwoofer S15A
QB3 vented subwoofer features 15″ woofer; FR 27-300,000 Hz ±1.5 dB; 91 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 36 x 23 x 16 in; 130 lb $550/pr

Transparency Subwoofer S15A-6
B6 vented subwoofer features 15″ woofer; FR 20-300,000 Hz ±1.5 dB; 91 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 36 x 23 x 16 in; 130 lb $550/pr

Transparency Subwoofer D15A
C4 vented subwoofer features two 15″ woofer; FR 18-300,000 Hz ±1.5 dB; 89 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 48 x 34 x 24 in; 200 lb $550/pr

Transparency Subwoofer S18A
B4 vented subwoofer features 18″ woofer; FR 25-250,000 Hz ±1.5 dB; 95 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 36 x 30 x 24 in; 175 lb $500/pr

Transparency Subwoofer D12A
QB3 vented subwoofer features two 12″ woofer; FR 27-450,000 Hz ±1.5 dB; 88 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 36 x 23 x 18 in; 150 lb. $450/pr

Transparency Subwoofer D12A-6
B6 vented subwoofer features two 12″ woofer; FR 18-450,000 Hz ±1.5 dB; 88 SPL/W/m; min amp power 200 W; nominal impedance 8 ohms; optional finish; optional grille color and material. 36 x 23 x 18 in; 150 lb $450/pr

J.S. ENGINEERING

Model 4
Reference quality floor standing system, incorporating complex rounded trapezoidal shape, patented phase shift bass loading and Infinite Slope crossover. Features 2-10″ cone woofers; 1-7″ cone midrange; 1-2″ dome upper midrange; 1-21 mm dome tweeter; front and side of speakers angled 8 degrees; uniform horizontal output to 90 degrees off axis; imp 8 ohms; 48.5 x 19 x 22(bottom) in; 16 x 6.5(top) in; 150 lb; walnut, oak, black oak $4,500/pr

Infinite Slope Model 1.8A Speaker
Infinite slope phase shift bass loading speaker with patented phase shift. Contains 8″ and 10″ cone woofers, 6″ cone midrange, and 28 mm dome tweeter. FR 35-20,000 Hz ±3 dB; minimum power 20 W rms, max power 300 W rms; sens 90 dB SPL/W/m; imp 8 ohms; oak, walnut, black gloss; 100 lb; 16 x 38 x 16 in $1,795/pr

Infinite Slope Model 1 Loudspeaker
Sealed floor-standing speaker featuring infinite slope crossover and patented Phase Shift Bass Loading. Front of speaker angled 15 degrees. Two cone woofers 7″, 8″; 28 mm dome tweeter. Available in oak, walnut, black gloss. FR 40-20,000 Hz ±2 dB; power range 10-150 W; imp 8 ohms; sens 90 dB SPL/W/m; 55 lb; 13 x 29 x 14.5 in. $1,095/pr

Infinite Slope Model 2A Loudspeaker
Similar to above except has cone woofers of 12″ and 10″, with 6.5″ cone and 2″ dome midranges, 21 mm dome tweeter. Front of speaker angled 8 degrees. FR 25-24,000 Hz ±2 dB; power range 50-350 W; sens 90 dB SPL/W/m; imp 8 ohms; 47 x 18 x 16 in. at bottom, 47 x 18 x 11 in. at top in; 150 lb. $2,495/pr

Infinite Slope Model .8 Speaker
Floor standing speaker with patented phase shift bass loading and Infinite Slope crossover. Features 2-8″ cone woofer, 1″ dome tweeter; impedance 8 ohms; available in walnut, oak, or black lacquer finish; 12 x 29 x 14.5; 50 lb. $899/pr

Infinite Slope Model .6 Speaker
Floor-standing ported speaker with infinite slope crossover 100 dB octave . Features 8″ cone woofer; 1″ dome tweeter. FR 40-20,000 Hz ±3 dB; power range 5-150 W; sens 91 dB SPL/W/m; impedance 8 ohms; available in walnut, oak, or black lacquer finish; 11 x 23 x 13 in; 35 lb $599/pr

Sub
Features 1 12″ driver with 2 voice coils; FR 30-60 Hz; sens 90 dB. 18 x 18 x 16 in; 50 lb. Available in oak and walnut . . . . . $495 ea

JVC

SX911WD 3-Way Speaker
Floor-standing 3-way speaker with 3-part crossover network. Features 12″ cross carbon woofer; 4.5″ cross carbon midrange; 1.2″ amorphous-diamond coated tweeter; low-resonanace/-vibration die-cast aluminum speaker frames; high-density conifer-based particle-board enclosure; round-cornered front baffle; computer optimized speaker layout; 300 W max power handling..... $720/pr

SX-A6 4-Way Speaker
Floor-standing 4-way 5-speaker system with two 3″ ambience enhancement drivers in rear, self-restoring protection for more tweeter power handling, LED overload indicator. Features 9.25″ x 13.75″ passive radiator; 8″ cone woofer; 1.25″ soft-dome midrange; 1″ soft-dome tweeter. FR 25-23,000 Hz ±3 dB; power handling capacity 150 W/240 W (music); sens 89 dB SPL/W/m; imp 6 ohms. Wood finish. 15.36 x 31.88 x 10.23; 38.6 lb $500/pr

SX-A3 2-Way Speaker
Bookshelf passive-radiator speaker with self-restoring protection for more tweeter power handling, LED overload indicator. Magnetically shielded for both audio and video use. Features 8″ x 12″ passive radiator; 8″ cone woofer; 1″ soft-dome tweeter. FR 35-23,000 Hz ±3 dB; power handling capacity 130 W/200 W (music); sens 88 dB SPL/W/m; imp 6 ohms. Wood finish. 13.5 x 24.5 x 11.31 in; 31 lb..... $400/pr

SPX5WD Floor-Standing Speaker
Floor-standing speaker with one full-range 5″ driver. Features furniture-like columnar design... $180/pr

KEF

Reference Series

Model 107 3-Way Speaker
Floor-standing coupled-cavity bass-loading speaker uses 2 woofers operating into a resonant chamber vented at top of enclosure to combine sensitivity of bass reflex with accuracy and bass-extension of acoustic suspension. Features 2 10″ cone woofers; 4″ polypropylene-cone midrange; 1″ ferrofluid-cooled soft-dome tweeter; pivoting midrange/tweeter head assembly with individual contoured enclosures for minimum diffraction, reduced off-axis coloration, and optimum stereo imaging; hybrid crossover network with built-in passive crossover and outboard KUBE active bass EQ with controls for contour, damping, and extension. Conjugate load-matched passive crossover presents amp with uniform imp at all frequencies. FR 20-20,000 Hz ±2 dB; min power 50 W rms; max power 300 W rms; sens 90 dB SPL/W/m; imp 4 ohms. Walnut, black ash, rosewood. 13 x 46 x 17.75 in; 99 lb $4,500/pr

104/2 3-Way Speaker
Floor-standing speaker with cone woofers vertically aligned, coupled-cavity bass loading technique, chassis-less drivers, conjugate load matching. Two 8″ cone woofers, two 4.5″ cone midranges and 1″ ferrofluid-cooled dome tweeter. FR 55-20,000 Hz ±2 dB; power range 25-200 W; sens 92 dB SPL/W/m; imp 4 ohms; 11 x 35.5 x 16.36; 70.5 lb; walnut, rosewood or black ash finish $2,000/pr
104/2 KUBE. Active bass EQ with controls for contour and extension $200

103/3 3-Way Speaker
Bookshelf coupled-cavity bass-loading speaker with woofer operating into a resonant chamber vented at bottom of enclosure to combine sensitivity of bass reflex with accuracy and bass-extension of acoustic suspension. Features 8″ cone woofer; 6″ polypropylene-cone midrange; 1″ ferrofluid-cooled soft-dome tweeter; hybrid crossover network with built-in passive crossover and outboard KUBE active bass EQ with controls for contour and extension. Conjugate load-matched passive crossover presents amp with uniform imp at all frequencies. FR 50-20,000 Hz ±2 dB; min power 50 W rms; max power 200 W rms; sens 92 dB SPL/W/m; imp 4 ohms. Walnut, black ash, rosewood. Includes feet for shelf mounting. 10.5 x 22.75 x 12.5 in; 38 lb $1,390/pr
KS103/3. Optional floor stands for free-standing placement $109/pr

Model 102 2-Way Speaker
Bookshelf closed-box speaker with 6″ polypropylene-cone woofer and 1″ ferrofluid-cooled soft-dome tweeter. Features hybrid crossover network with built-in passive crossover and outboard KUBE active bass EQ with controls for contour and extension. Conjugate load-matched passive crossover presents amp with uniform imp at all frequencies. FR 65-20,000 Hz ±2 dB; min power 50 W rms; max power 200 W rms; sens 92 dB SPL/W/m; imp 4 ohms. Walnut, black ash, rosewood. 8.25 x 13 x 10.5 in; 15 lb..... $870/pr
ULS20. Optional floor stands..... $125/pr

C Series
All C-series speakers feature polymer woofer diaphragms; fluid cooling on tweeters; all input terminals are gold-plated; terminals accept heavy-guage wire, 4mm banana plugs, and dual banana plugs on .75″ centers.

C95 3-Way Speaker
Floor standing speaker features KEF Uni-Q2-way driver; 8″ woofer and tweeter; coupled cavity bass loading; 8″ unit mounted vertically inside cabinet is loaded at the front by a tuned cavity; conjugate load matching; separate connecting terminals allow one to bi-amplify driving the bass unit separately; FR 50-20,000 Hz; sens 90 dB; imp 4 ohms resistive; 34.3 x 9.7 x 12.4 in; 41.6 lb; grain-matched real walnut, black ash..... $1,290/pr

C75 3-Way Speaker
Floor standing loudspeaker just over half a square foot; uses the same KEF Uni-Q driver as C95; second 200mm bass unit on matching die-cast chassis; FR 57-20,000 Hz; sens 91 dB; imp 4 ohms; closed box enclosure; 28.4 x 9.7 x 10.1 in; 28.4 lb; simulated walnut and simulated black ash $750/pr

C55 3-Way Speaker
Small enough for bookshelf or free standing. Features KEF Uni-Q driver with polymer cone 8″ passive radiator which extends bass to 48 Hz −6 dB; clip-on injection-molded grille made to minimize 'tunnel' effects; FR 60-20,000 Hz; sens 90 dB; imp 4 ohms; passive radiator enclosure; 18.9 x 9.7 x 10.1 in; simulated walnut or simulated black ash.. $550/pr

C35 2-Way Speaker
Bookshelf speaker. Features KEF Uni-Q driver; improved stereo imaging, enhanced phase integrity, reduced diffraction; can be placed upright or on its side with no effect on horizontal dispersion; .75″ oiktner dome tweeter; 8″ polymer cone woofer; sens 90 dB; FR 64-20,000 Hz; imp 4 ohms; closed box enclosure; 14.8 x 9.7 x 8.1 in; 10.6 lb; simulated walnut or simulated black ash..... $440/pr

C25 2-Way Speaker
Bookshelf speaker. Features B160, a 6.5″ cone dirver with lightweight polymer diaphragm; .75″ dome tweeter; FR 65-20,000 Hz; sens 87 dB; imp 4 ohms; closed box enclosure; 13.4 x 8.1 x 6.9 in; 9 lb; simulated walnut or simulated black ash.. $330/pr

C15 2-Way Speaker
Bookshelf speaker. Features 5″ polymer cone bass unit with die-cast chassis; .75″ metal dome tweeter; recessed, gold-plated terminals; tweeter's fluid cooling and bass unit's high-temperature voice coil handle up to 60 W and produce >100 dB; FR 68-20,000 Hz; sens 85 dB; imp 4 ohms; closed box enclosure; 10.4 x 7.1 x 5.9 in; 7 lb; simulated walnut or simulated black ash..... $240/pr

Custom Series
Models are designed for seamless integration into any listening environment. Speakers are finished in white and can be painted to match any decor or can be replaced with cloth.

CR200F 2-Way Full-Range Speaker
In-wall unit features 8″ bass driver mounted to 1″ soft-dome tweeter with fluid cooling; self-restoring tweeter protection circuit; FR 55-22,000 Hz ±2 dB; outside dimensions 12.88 x 10 x 3.5 in $550/pr not incl. installation

CR200F + CR200SW 3-Way Speaker
In-wall system consists of CR200F and matching 10″ CR250SW subwoofer. Response is 32-150 Hz ±2 dB; full range audio input is fed to the CR200SW crossover network providing output terminals for CR200F satellites; crossover point 150 Hz; FR 32-22,000 Hz ±2 dB; sens 90 dB; imp 4 ohms; satellite 13 x 10 x 3.5 in; subwoofer 13 x 13 x 3.75 in; black baffle with white bezel finish. Installed $1,100/pr

KENWOOD

LS-P9100 4-Way Speaker
Basic series floor-standing speaker with 17″ passive radiator. Features 10.5″ polypropylene woofer; 4″ polypropylene midrange; flat-leaf supertweeter plus 2 cone tweeters in wide-dispersion Ton-Saule vertical array; high-grade simulated rosewood finish; crossover network; auto-resetting overload protector; high rigidity enclosure; max input power 250 W; sens 91 dB/W/m; crossover FR 900, 5,500, 10,000 Hz; imp 8 ohms. 44.5 x 17.31 x 13.25 in; 62 lb..... $720/pr

LS-P5100 4-Way Speaker
Basic series floor-standing speaker with 13″ passive radiator. Features 8.5″ polypropylene woofer; 4″ polypropylene midrange; flat-leaf supertweeter plus 2″ cone tweeter in wide dispersion Ton-Saule vertical array; high-grade crossover network; auto-resetting overload protector; high rigidity enclosure; simulated rosewood finish; max input power 150 W; sens 90 dB/W/m; crossover FR 800, 5,000, 10,000 Hz; imp 8 ohms. 35.44 x 14.56 x 10.69 in; 40 lb..... $480/pr

LSK-702W 3-Way Speaker
Features acoustic-suspension enclosure; 12″ woofer; 4.5″ midrange; 2″ cone tweeter; max input power 160 W; sens 91 dB/W/m; imp 8 ohms; simulated woodgrain finish. 26.0 x 14.81 x 10.56 in; 26.5 lb $285/pr

LSK-502W 3-Way Speaker
Features acoustic-suspension enclosure; 10″ woofer; 4.5″ midrange; 2″ cone tweeter; max input power 130 W; sens 90 dB/W/m; imp 8 ohms; simulated woodgrain finish. 24.19 x 14.0 x 10.56 in; 23 lb. $220/pr

LSK-302W 2-Way Speaker
Features bass-reflex enclosure; 12″ woofer; 4.5″ midrange; 2″ cone tweeter; max input power 160 W; sens 91 dB/W/m; imp 8 ohms; simulated woodgrain finish. 22.31 x 12.81 x 8.56 in; 16.5 lb $145/pr

LSK-05S Surround Speaker
Full-range speaker for rear-channel sound. Features 4″ x 6″ dual-cone driver; acoustic suspension wedge-shape enclosure designed for horizontal or vertical placement; sens 90 dB/W/m; imp 8 ohms; Simulated woodgrain finish. 10.88 x 7.69 x 5.69 in; 3.1 lb $89/pr

LSK-01S Surround Speaker
Full-range speaker for rear-channel sound. Features 4″ driver; acoustic suspension enclosure; sens 90 dB/W/m; imp 8 ohms; Simulated woodgrain finish; 10.88 x 7.69 x 5.69 in; 3.1 lb..... $49/pr

LSK-703 3-Way Speaker System
Features acoustic suspension bookshelf design; max

input power 160 W; 12″ woofer; 4.31″ midrange; 2″ tweeter; FR 40-20,000 Hz; sens 91/dB/m; simulated teak grain finish; imp 8 ohms; 26.75 x 14.81 x 10.31 in; 25.4 lb $285/pr

LSK-503 3-Way 3-Speaker System
Features acoustic suspension bookshelf design; 10″ woofer; 4.31″ midrange; 2″ tweeter; FR 45-20,000 Hz; max input power 130 W; sens 90/dB/m; simulated teak grain finish; imp 8 ohms; 24.19 x 14.0 x 10.5 in; 22 lb $220/pr

LSK-303 2-Way 2-Speaker System
Features acoustic suspension bookshelf design; 8″ woofer; 2″ tweeter; FR 50-20,000 Hz; sens 90/dB/m; simulated teak grain finish; max input power 100 W; imp 8 ohms; 22.31 x 12.87 x 8.0 in; 15.4 lb $145/pr

LSK-05S Rear Surround Speakers
Full range 1-way 1-speaker system. Features acoustic suspension enclosure; max input power 30 W; enclosure designed for horizontal or vertical, corner or bookshelf installation; 4″ x 6″ dual cone elliptical mounted driver; sens 90 dB/m; FR 80-20,000 Hz; imp 8 ohms. 10.87 x 7.68 x 5.68 in; 3.1 lb..... $69 ea

LSK-01S Rear Surround Speakers
Full range 1-way 1-speaker system. Features acoustic suspension enclosure; max input power 20 W; sens 91 dB/m; FR 100-20,000 Hz; imp 8 ohms. 7.5 x 5.5 x 4.81 in; 2.6 lb ..... $49 ea

KINDEL AUDIO

PLS-A 2-Way Speaker
Floor-standing line-source speaker with vertical array of 6 6.5″ woofers and 16 1″ dome tweeters. FR 35-22,000 Hz ±3 dB; power range 5-500 W rms; sens 94 dB SPL/W/m; imp 8 or 2 ohms. Available in oak or walnut finish. 22 x 67 x 9 in; 130 lb ea... $2,495/pr

PLS-B 2-Way Speaker
Floor-standing line-source speaker with 6 6.5″ woofers; 12 1″ tweeters; bi-amp, bi-wire terminals; does not require separate crossover; imp 4 ohms; minimum power 50 W; 120 lb; 74 x 11 x 10 in; stand standard $1,900/pr

P-105 Speaker
Features 8″ polypropylene woofer; double voice coil; 1″ soft dome tweeer; crossover at 250 Hz which rolls off one woofer voice coil winding; conventional crossover at 2.5K (first order) to tweeter; sealed box for bass; FR 40-20,000 Hz ±2.5 dB; imp 4 ohms; minimum power 20 W; 20 x 10 x 9 in $475/pr

P-55 Speaker
Features 6″ polypropylene woofer; 1″ dome tweeter; sealed box bass; FR 55-20,000 Hz ±2.5 dB; crossover at 3,000 Hz; imp 8 ohms; minimum power 20 W; 14 x 8 x 8 in; black gloss finish $289/pr

The Purist Series

Purist LT 2-Way Speaker
Floor-standong speaker using a 2 pi/4 pi configuration. Features 2-6.5″ polypropylene cone woofers; 1″ dome tweeter; bass loading via an 8″ passive radiator in a loaded-line configuration. FR 35-20,000 Hz ±2 dB; imp 4 ohms. 13 x 43 x 6.5 in; 60 lb... $850/pr

KINERGETICS

SW-100 Subwoofer
Stereo speaker system which can extend the low frequency response of most speaker systems. Constructed of high density fiberboard and veneered with oak or walnut. FR 17 Hz −3 dB; 10″ woofer; efficiency 95 dB; 11 x 24 x 15.25 in; 40 lb; Oak, Walnut, Black..... $395

SW-100.5 Subwoofer
Subwoofer constructed of high density fiberboard and veneered with oak or walnut. 10″ woofer; efficiency 92 dB; FR 17 Hz −3 dB; 10″ woofer; 11 x 12.5 x 15 in; 20 lb; oak, walnut and black $199

KINETIC AUDIO

Titan 6-Way Speaker
Floor-standing ported speaker. 12″ polypropylene cone subwoofer; 12″ polypropylene cone woofer; 6.5″ polypropylene cone mid/woofer; 2″ textile-dome midtweeter; 1.12″ synthetic-dome tweeter; 0.75″ synthetic-dome supertweeter. Crossover points 60, 90, 500, Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 12-22,000 Hz ±1.5 dB; min power 35 W, max power 250 W; sens 90 dB SPL/W/m; imp 4 or 8 ohms; 245 lb; 18 x 60 x 22 in. Grilles, stands, and casters included $5,000/pr

Trapezium 5-Way Speaker
Floor-standing ported speaker. 12″ polypropylene-cone woofer; 6.5″ polypropylene-cone midrange; 2″ textile-dome midtweeter; 1.12″ synthetic-dome tweeter; 0.75″ synthetic-dome supertweeter (tweeters have magnetic-fluid cooling/damping). Crossover points at 90, 500, 3,000, 7,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 12-22,000 Hz ±1.0 dB; min power 45 W, max 200 W; sens 90 dB SPL/W/m; imp 6 ohms; 205 lb; 16 x 60 x 20 in. Includes grilles, stands, and casters..... $4,000/pr

Labyrinth 4-Way Speaker
Floor-standing ported speaker. 12″ polypropylene-cone woofer; 6.5″ polypropylene-cone midrange; 2″ textile-dome midtweeter; 1.12″ synthetic-dome tweeter (both tweeters have magnetic-liquid cooling/damping). Crossover points 90, 500, 3,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 16-22,000 Hz ±1.5 dB; min power 35 W, max 200 W; sens 91 dB SPL/W/m; imp 6 ohms; 185 lb; 16 x 48 x 18. Includes grilles, stands, and casters $3,000/pr

Trapezoid 4-Way Speaker
Floor-standing ported speaker. 12″ polypropylene-cone woofer; 6.5″ polypropylene-cone midrange; 1.12″ synthetic-dome tweeter with magnetic-liquid cooling/damping; 0.75″ synthetic-dome supertweeter with magnetic-liquid cooling/damping. Crossover points 90, 2,000, 7,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 18-22,000 Hz ±1.5 dB; min power 20 W, max 200 W; sens 92 dB SPL/W/m; imp 8 ohms; 115 lb; 16 x 40 x 14 in $2,000/pr

STAT Monitor
Floor-standing or large-shelf 3-way ported speaker. Features 12″ polypropylene-cone woofer; 6.5″ polypropylene-cone midrange; 1.12″ synthetic-dome tweeter with magnetic-liquid cooling/damping. Crossover points 90, 2,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 18-22,000 Hz ±1.5 dB; min power 15 W, max 200 W; sens 93 dB SPL/W/m; imp 8 ohms; 95 lb; 14.5 x 26 x 14 in $1,000/pr

Stat Miniature Monitor
2-way ported speaker. Features 6.5″ polypropylene-cone woofer; 1.12″ synthetic-dome tweeter with magnetic-liquid cooling/damping; crossover point 2,000 Hz; linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and noninductive level controls. Interconnecting harness of color-coded high-performance speaker cables. 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 38-22,000 Hz ±2 dB; min power 5 W, max 150 W; sens 93 dB SPL/W/m; imp 8 ohms; 30 lb; 9 x 15 x 9 in $700/pr

Subwoofers

Trapezoid Subwoofer
Floor-standing subwoofer with 12″ polypropylene-cone driver, built-in 180-Hz passive crossover, and separate direct-to-woofer terminals. May be used with electronic crossover or optional low-loss 4-point passive crossover/low-pass filter, in mirror-image pairs. Features interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts. Mirror-matched high-grade walnut veneer. Black grille with nonresonant frame. FR 16-2,000 Hz ±1.5 dB; min power 25 W, max 350 W; sens 92 dB SPL/W/m; imp 8 ohms; 95 lb; 16 x 40 x 14 in $600/pr

Stat Subwoofer
Ported subwoofer with 12″ polypropylene cone driver, built-in 180-Hz crossover, and separate direct-to-woofer terminals. Features interconnecting harness of color-coded high-performance speaker cables; 5-way heavy-duty binding posts; mirror-matched high-grade walnut veneer; black grille with nonresonant frame. FR 18-2,000 Hz ±2 dB; min power 15 W, max 350 W; sens 93 dB SPL/W/m; imp 8 ohms; 80 lb; 14.5 x 26 x 14 in..... $450/pr

KIRKSAETER

Monitor Tower 260 4-Way Speaker
Floor-standing acoustic-suspension speaker with 2 10″ long-excursion woofers, 4.5″ coated-cone lower midrange, 2″ soft-metal midrange with 2.3-lb magnet; 0.75″ titanium-dome supertweeter with Ferrofluid; 8 wood or 4 glossy lacquer finishes. Power range 10-250 W; sens 93 dB SPL/W/m; imp 4-8 ohms.. $1,995/pr

Monitor 141 3-Way Speaker
Floor-standing or bookshelf infinite-baffle speaker. Features 12″ long-excursion woofer; 2″ soft-metal dome midrange; 0.75″ titanium-dome tweeter. FR 20-32,000 Hz ±5 dB; imp 4-8 ohms; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 13.75 x 22.88 x 10.62 in.... $1,245/pr

Amadeus 120 Tower 3-Way Speaker
3-way floor-standing speaker with 8.5″ long-excursion polypropylene woofer and 4″ polyproylene midrange. Features ferrofluid-cooled titanium-dome .75″ tweeter; sealed cabinet; power range 85-120 W; sens 90 dB SPL/W/m; FR 28-30,000 Hz; banana-plug compatible. 10.25 x 10.25 x 33 in; 28 lb... $995/pr

Concept 120 3-Way Bookshelf Speaker
3-way bookshelf speaker with ported enclosure. Features 8.5″ long-excursion woofer; 4″ polypropylene midrange; 1″ textile-covered tweeter; 120 W/ch max power handling; sens 90 dB SPL/W/m; FR 38-22,000 Hz; crossovers at 1,000 Hz and 5,000 Hz; imp 8 ohms. 10.25 x 10.75 x 21.3 in; 24 lb $950/pr

Concept 100 2-Way Bookshelf Speaker
2-way bookshelf speaker with ported enclosure. Features 7″ long-excursion woofer; 1″ textile-covered tweeter; 100 W/ch max power handling; sens 89 dB

SPL/W/m; FR 39-22,000 Hz; crossover at 2,000 Hz; imp 4-8 ohms. 8.66 x 10.25 x 17.66 in; 19 lb$750/pr

Satellite 2-Way Vented Speaker
Bookshelf speaker with 4.25″ long-excursion woofer and 1″ titanium-dome tweeter with twin magnets. FR 68-32,000 Hz ±5 dB; power range 15-50 W; sens 89 dB SPL/W/m; imp 4-8 ohms; walnut, mahogany, teak, cherry, black/white/antique/dark/unfinished oak finishes; 5.5 x 9.9 x 7.1 in $595/pr

Subwoofer 501 Active
12″ long-excursion woofer; subsonic filter; standard feedback; room-matching control; double-T filer; RCA/DIN inputs for preamp, CD player, etc.; 1-way crossover at 80, 120, or 160 Hz; choice of finishes. Impulse power 500 W; 16.6 x 15.8 x 16.2 in; 46 lb $1,295

KLIPSCH

Klipschorn 3-Way Speaker
Fully horn-loaded speaker requiring corner placement. Sens 104 dB SPL/W/m; power handling 100 W; FR 35-17,000 Hz ±5 dB. 52 x 31.25 x 28.5 in. Priced depending on finish from approx $3,198/pr

Belle Klipsch 3-Way Speaker
Horn-loaded floor-standing speaker using Klipschorn drive components. Sens 104 dB SPL/W/m; power handling 100 W; FR 45-17,000 Hz ±5 dB. 35.62 x 30.12 x 18.75 in. Available in exotic woods. Priced depending on finish; approx $2,598/pr
La Scala. Fully horn-loaded 3-way speaker similar to Belle Klipsch but available only in natural birch, stained birch, or black finishes. Specs same as Belle Klipsch. 35.5 x 23.75 x 24.5 in. Priced depending on finish from approx $1,706/pr

Cornwall II 3-Way Speaker
Features 15″ woofer in ported enclosure; horn-loaded compression tweeter and midrange. Sens 100 dB SPL/W/m; power handling 100 W; FR 38-20,000 Hz ±3 dB. 35.75 x 25.5 x 15.5 in. Available in exotic woods. Priced depending on finish from approx $1,638/pr

Chorus 3-Way Speaker
15″ professional heavy-duty woofer in ported enclosure; horn-loaded compression drivers for tweeter and midrange; sens 101 dB SPL/W/m; power handling 100 W; FR 45-20,000 Hz ±3 dB (−10 dB @ 36 Hz); 39 x 18.5 x 15.5 in; 89 lb; walnut, oak or exotic woods. Priced according to finish, from approx $1,490/pr

Forte 3-Way Speaker
Features horn-loaded compression drivers for tweeter and midrange; 12″ woofer; 12″ passive radiator mounted on rear of cabinet. FR 32-20,000 ±3 dB; sens 98 dB SPL/W/m; power handling 100 W. 35.38 x 16.5 x 12 in. Available in exotic woods. Priced according to finish from approx $1,180/pr

Heresy II 3-Way Speaker
Features horn-loaded compression tweeter and midrange; 12″ woofer in sealed enclosure. FR 50-20,000 Hz ±3 dB; max handling power 100 W; sens 96 dB SPL/W/m. 21.36 x 15.5 x 13.5 in. Available in exotic woods. Priced depending on finish from approx $882/pr

Kg⁴ 2-Way Speaker
Floor-standing speaker with 12″ rear-mounted passive radiator, 2-8″ polymer-cone woofers, and horn-loaded tweeter. FR 38-20,000 Hz ±3 dB; max power 100 W; sens 94 dB SPL/W/m. 24.25 x 15.75 x 10.75 in. Available in oak and walnut finishes. From approximately $598/pr

Kg² 2-Way Speaker
Features rear-mounted passive radiator. Crossover frequency 1,800 Hz; FR 35-20,000 Hz ±3 dB; sens 90 dB SPL/W/m; power handling 65 W. 18.88 x 11.5 x 13.25 in. From approx $420/pr

KOSS

JCK/5000 Wireless Speaker System
Infrared wireless speakers with tone/volume controls on each cabinet; on/off power switch; battery recharger (batteries not included); 2″ tweeter; 6.5″ woofer; FR 40 Hz-20,00 Hz. 15 x 9 x 5 in $350/pr

M/100 Plus Powered Speaker
Built-in 20-watt amp allows amplification from the headphone jack of TV, portable tape, or CD player. FR 50 Hz-30,000 Hz; S/N 80 dB;THD <5% @ 1 kHz; 4 ohm imp. 27 lb/pr $260/pr

M/90 Plus Double Woofer Speaker
Features 2 4.5″ woofers;and 1″ dome tweeter. FR 50-30,000 Hz;sens 88 dB SPL/W/m; 4-6 ohm imp; max power 20 W continuous, 100 W peak. 12.88 x 5.25 x 5.5 in; 30 lb/pr $220/pr

Dynamite M/80 Plus Speaker
Acoustic-suspension bookshelf speaker with automatic circuit breaker to guard against speaker damage. Features dual-active 4.5″ woofers, 1″ dome tweeter. FR 50-30,000 Hz ±3 dB; min power 10 W/rms; max power 100 music; imp 6 ohms. 8 lb. 5.25 x 12 x 5.25 in $180/pr

M/60 Plus 2-Way Speaker
Features 1″ dome tweeter; 4.5″ woofer. FR 100-30,000Hz; sens 84 SPL/W/m; imp 8 ohms nom, 6 ohms min; power range 15-75 W music. 8.5 x 4.75 x 5.5 in $135/pr

LASER SPEAKERS

Laser Signature Reference 1200 Speaker
Floor-standing 2-way speaker including bottom-firing subwoofer; 12″ sub bass; dome tweeter; 8″ midbass; circuit-overload protection; FR 22-20,000 Hz ±3 dB; min power 25 W rms; max power 200 W rms; sens 97 dB. High-lustre black finish with solid oak burled top and bottom. 34.75 x 15.25 x 15.5 in ..... $750 ea

Laser Signature Reference 1000 Speaker
Floor-standing 2-way speaker including bottom-firing subwoofer; 10″ sub bass; dome tweeter; 6.5″ midbass; circuit-overload protection; FR 25-20,000 Hz ±3 dB; min power 25 W rms; max power 150 W rms; sens 97 dB. High-lustre black finish with solid oak burled top and bottom. 35.75 x 13.25 x 15.5 in ..... $600 ea

FXT-8 MKVII 2-Way Speaker
2-way bookshelf bass-reflex speaker; 8″ bass; dome tweeter; circuit-overload protection; FR 35-20,000 Hz ±3 dB; min power 35 W rms; max power 125 W rms; sens 92 dB. High-lustre black finish. 19 x 10 x 11 in ..... $225 ea

FXT-6 2-Way Speaker
2-way bookshelf bass-reflex speaker; 6.5″ bass; dome tweeter; circuit-overload protection; FR 40-20,000 Hz ±3 dB; min power 35 W rms; max power 100 W rms; sens 91 dB. Black finish. 15 x 8 x 10 in ... $175 ea

LAZER-TECH SPEAKERS

LT12 Tower Monitor Speaker
Features 12″ poly woofer; 4.5″ extended-range driver; 1″ soft-dome tweeter; separate isolation chambers for bass and midrange drivers; extensive internal bracing; 18x sloped-front sound plane; twin rear-firing tuned ports; 3-way computer-matched crossover network. Rosewood or teak finish with removable black grilles. Imp 8 ohm; FR 32-25,000 Hz; sens 93 dB SPL/W/m; crossover 700 & 4,000 Hz; min power 10 W; max power 250 W. 46.25 x 14 x (6 x 12.5) in; 90 lb ea $1,395/pr
LT10. Has the same design and features as LT12 but uses 10″ polypropylene bass driver; 40 x 12.5 x (6 x 11.5) in; 68 lb $1,195/pr

LP8 3-Way Speaker
46″ tall twin ported 3-way panel system featuring 2-8″ translucent cone bass drivers with 30 oz magnet; same drivers and tweeters as LT12 with additional tweeter; separate midrange, bass and tweeter isolation chambers; 3-way computer designed crossover network; fuse protection circuit; black removable grills; input connections for cable; sens 93 dB; FR 30-25,000 Hz; imp 8 ohm; 28 x 19.5 x 5.5 in; 55 lb; oak, teak, rosewood, walnut, white rosewood or black formica finish $1,250
LP8A. A short, wide version of the LP8. Has no rear mount horn but rather 2-1″ soft dome tweeters on front sound panel; slightly sloped stand; all other features are same as LP8; 28 x 19.5 x 5.5 in; 55 lb $1,195

LENOXX

SP-200 Mini Personal Stereo Speakers
Passive speaker system. Features metal mesh grill; Alnico drivers; 3.5 x 2.5 x 1.75 in $15

LINN PRODUCTS

DMS Isobarik Floor-Standing Speaker
Isobarik-loading 3-way speaker with 12″, 9″ woofers, 5″ midrange, two 0.75″ dome tweeters. Can be triamped. FR 25-20,000 Hz ±1.5 dB; crossovers at 375 and 3 kHz; instantaneous dynamic range 54 dB; imp 4 ohms; power range 50-500 W; 30 x 15 x 16.5-in $3,995/pr

S.A.R.A. Isobarik Bookshelf Speaker
Isobarik-loading 2-way speaker with two 8″ woofers, 0.75″ dome tweeter. Cast structural foam housing. FR 36-20,000 Hz ±2 dB; imp 4 ohms; 17 x 13 x 10-in $1,695/pr

K.A.N. Acoustic-Suspension Speaker
2-way bookshelf speaker with 5″ woofer, 0.75″ dome tweeter. FR 70-20,000 Hz ±3 dB; imp 8 ohms; 12 x 7.5 x 6.5-in $695/pr

Index Acoustic-Suspension Speaker
Floor or bookshelf placement; 8″ KEF B200 cone woofer; 1″ dome tweeter; cabinet of full 0.75″ high-density particle board; 50 strand 20 amp cable. FR 60-20,000 Hz ±3 dB; power range 15-50 W; sens 87 dB SPL/W/m; imp 8 ohms. 17 x 11 x 8-in; 17 lb; black woodgrain $525/pr

MAGNASPHERE BY MAGNAT

Delta II, Gamma, and Beta speakers have soft-metal domes; ribbon-wire voice coils of oxygen-free copper wound on aluminum core for better heat dissipation and power handling; spherical, baffle-free midrange and tweeter spheres for omnidirectional dispersion; black perforated steel grilles.

Delta II Floor-Standing Speaker
6-sided acoustic-suspension speaker with 6 5.25U long-throw woofers; gray or black enamel. FR 32-29,000 Hz ±3 dB; power range 30-150 W; imp 4 ohms; sens 88.5 dB SPL/W/m; 13.8 x 44 x 13.8 in; 65 lb $3,290/pr

Gamma Floor-Standing Speaker
4-sided pyramid-shaped speaker with 2-8″ woofers, 2-5.25″ midwoofers (1 front, 1 back); European mahogany or black-oak veneer. FR 32-29,000 Hz ±3 dB; power range 30-150 W; imp 4 ohms; sens 88 dB SPL/W/m; 14 x 50 x 14 in; 67 lb $2,490/pr

Sigma 1000 Floor-Standing Speaker
Floor-standing column speaker employing heavy duty cast aluminum drivers. Driver frames are buffed on industrial-grade diamond polishing machines.

European grade A walnut or black oak veneers. Top plate is 8 layer thick hand-finished lacquer. 3-way vented system using two long throw 8″ woofers,; 2.75″ midrange adn patented 1″ soft-metal dome tweeter; FR 32-27,000 Hz ±3 dB; power range 25-200 W/ch; imp 4 ohm; sens 88 dB/W/m; 11.5 x 42 x 11 in..... $2,190/pr

Beta Floor-Standing Speaker
4-sided pyramid-shaped speaker with 8″ woofer, 5.25″ midwoofer. European mahogany or black-oak veneer. FR 37-29,000 Hz ±3 dB; power range 30-120 W; imp 4 ohms; sens 87 dB SPL/W/m; 13 x 43 x 13 in..... $1,990/pr

Magnastar System
3-piece satellite/subwoofer system featuring passive subwoofer using 2-8″ woofers operating in compound principle, mated to 2 MSP 10 minispeakers; FR 36-27,000 Hz ±3 dB; power range 25-150 W/ch; imp 4 ohm; sens 88 dB/W/m; magnastar subwoofer 12 x 10 x 20 in; 5.7 x 8.9 x 6.9 in..... $795

MSP Series Speakers
Acoustic-suspension and bass reflex speaker system with ribbon-wire voice coils; soft-metal dome tweeters; baffles electrostatically coated with flocking to reduce high-frequency ripples; tweeters and midranges cooled with ferrofluid; cabinets of extra-heavy-duty high-density multi-layer wood with internal bracing.
MSP 300. Floor-standing speaker with 2-8″ long-fiber-pulp woofers, 3″ cone/dome midrange, 1″ tweeter; European walnut or black-oak veneer, top plate 8-layer hand-finished black lacquer. FR 32-29,000 Hz ±3 dB; power range 25-150 W; imp 4 ohms; sens 88 dB SPL/W/m; 11.5 x 42.3 x 11 in; 60 lb..... $1,690/pr
MSP 110. Floor-standing speaker with 8″ long-fiber-pulp woofer, 3″ cone/dome midrange, 1″ tweeter; European walnut or black-oak veneer, top plate 8-layer hand-finished black lacquer. FR 39-29,000 Hz; power range 25-120 W; imp 4 ohms; sens 88 dB SPL/W/m; 11.5 x 31 x 11 in; 42 lb..... $1,090/pr
MSP 70. Bookshelf speaker with 10″ woofer, 2.75″ midrange, 1″ tweeter; black woodgrain vinyl. FR 39-29,000 Hz ±3 dB; power range 25-100 W; imp 4 ohms; sens 90 dB SPL/W/m; 12.6 x 22.9 x 11.5 in; 33 lb..... $790/pr
MSP 60. Bookshelf speaker with 8″ woofer, 2.75″ midrange, 1″ tweeter; black woodgrain vinyl. FR 41-29,000 Hz ±3 dB; power range 25-90 W; imp 4 ohms; sens 89 dB SPL/W/m; 11.5 x 20.1 x 10.5 in; 28.6 lb..... $750/pr
MSP 50. Bookshelf speaker with 8″ woofer, 1″ tweeter; black woodgrain vinyl. FR 45-29,000 Hz ±3 dB; power range 25-80 W; imp 4 ohms; sens 88 dB SPL/W/m; 10.7 x 17.4 x 9.5 in; 22 lb..... $550/pr

Monitor Series Speakers
Bookshelf acoustic-suspension 3-way speakers with low-resonance, high-rigidity diaphragms designed for low coloration. Crossover networks use low-dissipation capacitors designed for improved imaging and texture. Magnat Ribbon-Wire voice coils used in tweeter for 40% increased winding density and improved transient response. All woofers are cone shaped; all midranges are 4-inch cones; all tweeters are dome shaped. All monitor series speakers feature cabinets finished in black wood-grained vinyl with black metal grilles.
C. 8″ long-throw woofer; 4″ midrange; 1″ soft-metal tweeter. FR 46-29,000 Hz ±3 dB; power range 10-90 W rms; sens 90 dB SPL/W/m; imp 4-8 ohms. 14.62 x 22.5 x 13.75 in; 22 lb..... $470/pr
B. 8″ long-throw woofer; 4″ midrange; 1″ soft-metal tweeter. FR 54-29,000 Hz ±3 dB; power range 10-80 W rms; sens 90 dB SPL/W/m; imp 4-8 ohms. 14.12 x 20.5 x 14.12 in; 20 lb..... $390/pr
A. 8″ long-throw woofer; 4″ midrange; 0.75″ Supronyl tweeter. FR 54-20,000 Hz ±3 dB; power range 10-60 W rms; sens 90 dB SPL/W/m; imp 8 ohms. 14.12 x 19.36 x 14.12 in; 17.5 lb..... $300/pr

MAGNEPAN

Magneplanar Tympani-IVa
Planar-magnetic speaker with reduced-mass midrange driver, .00025″. Features 5-ft-long, 2.5-microns-thick foil tweeter. 3 panels per side; 71 x 18 x 1 in..... $3,800/pr

Magneplanar MG-IIIa Speaker
Floor-standing full-range bipolar panel speaker with planar-magnetic and ribbon-driver design. Can be biamplified. Drivers are 1 planar-magnetic woofer (620″ sq.); 1 planar-magnetic midrange (170″ sq.); 1 line-source 5' bipolar ribbon tweeter (14.25″ sq.). Imp 4 ohms; off-white cloth, oak frame; 55 lb ea $1,995/pr

Magneplaner MG 2.5/R Speaker
Floor standing full range bipolar panel speaker with planar/magnetic woofer and 42″ long ribbon tweeter. 2 way design, optional grille fabrics, oak side rails..... $1,550/pr

Magneplanar MG-IC Speaker
Floor-standing 2-way speaker with Magneplanar woofer and tweeter. Features oak side rails; off-white fabric grille. FR 45-18,000 Hz ±4 dB; crossover 1.6 kHz; sens 82-dB SPL/W/3 ft.; power range 40-200 W rms; imp 5 ohms purely resistive; 60 x 22 x 2 in..... $880/pr

Magneplanar SMGa Speaker
Full-range 2-way speaker with 0.5-mil diaphragm driven by Magneplanar magnetic field. Features oak side rails; optional grille fabric. FR 50-16,000 Hz ±4 dB; power range 20-100 W rms; imp 4 ohms purely resistive; crossover 2.4 kHz; 48.56″ h x 24.25″ w x 1.75″ d; 70 lb..... $495/pr

MARANTZ

SP 1515 Ported Speaker
Floor-standing speaker with 15″ woofer; 5″ ferrofluid cone midrange; 3″ ferrofluid cone tweeter; sculptured furniture-style cabinet. Max power 165 W; sens 92 dB SPL/W/m; imp 8 ohms; Bartonwood vinyl finish; 18 x 32.5 x 16.5 in; 47 lb..... $400/pr

SP124 Tower Speaker
3-way speaker with 12″ woofer; 12″ passive radiator; 4″ midrange with ferrofluid; 3″ tweeter w/ferrofluid. Max power 170 W; sens 91 dB/W/m; imp 8 ohms. Oak vinyl finish; 37.75 x 14.75 x 13.5 in; 33.7 lb..... $400/pr

SP104 Tower Speaker
3-way speaker with 10″ woofer; 10″ passive radiator; 4″ midrange with ferrofluid; 3″ tweeter w/ferrofluid. Max power 135 W; sens 90 dB/W/m; imp 8 ohms. Oak vinyl finish; 37.75 x 13 x 11 in; 30 lb. $340/pr
SP103. Same as above without passive radiator..... $300/pr

SP 1200 Ported Speaker
Floor-standing speaker with 12″ woofer; 4″ ferrofluid cone midrange; 3″ ferrofluid cone tweeter. Max power range 165 W; sens 90 dB SPL/W/m; imp 8 ohms. 15 x 29.5 x 11.5 in; 32 lb..... $300/pr

SP 1000 Ported Speaker
Features 10″ woofer; 4″ ferrofluid cone midrange; 3″ ferrofluid cone tweeter. Max power range 130 W; sens 89 dB SPL/W/m; imp 8 ohms. Bartonwood vinyl finish; 13 x 27 x 11 in; 25 lb..... $240/pr

SP 800 Ported Speaker
Features 8″ woofer; 4″ ferrofluid cone midrange; 2″ ferrofluid cone tweeter. Max power range 60 W; sens 89 dB SPL/W/m; imp 8 ohms. Bartonwood vinyl finish; 13 x 26 x 8.5 in; 15 lb..... $150/pr

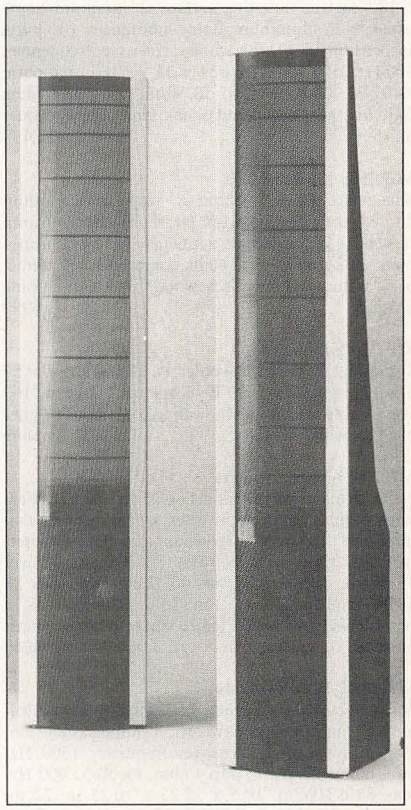
SP208 Ported Speaker
2-way speaker system with 8″ woofer and 2″ tweeter. Max power 50 W; sens 90 dB/ W/m; imp 8 ohms. Available in oak vinyl finish; 18.75 x 10.63 x 8.38 inches; 10.5 lb..... $120/pr

MARTIN-LOGAN

Statement Electrostatic Speaker System
Floor-standing system consisting of 2 visually-transparent curvilinear electrostatic panels used in conjunction with two woofer towers and blended by an electronic crossover. Each electrostatic element measures 3 x 6-inches and is curved and housed in a massive frame; each woofer tower houses four 12″ woofers mounted in individually sealed anti-resonant chambers; dual-mono crossover consists of four separate chassis; 2 chassis contain power supplies; 2 chassis contain crossover using a proprietary discrete classs-A differential FET buffer topology and pure-current source voltage regulation system; can play at volumes up to 120 dB. FR 16-25,000 Hz ±1.5 dB; power range 50-1,000 W; sens 93 dB SPL/W/m; imp 6 ohms. Electrostatic section: 39.5 x 84 x 6 in. Woofer towers: 15 x 84 x 30 in. Available in a variety of finishes. System weighs ½-ton..... $40,000

Monolith Electrostatic Speaker
Floor-standing curvilinear electrostatic panel speaker mounted atop a tuned subwoofer box. Designed for wide dispersion without the use of delay lines of lenses. Constant voltage crossover provides phase coherency. Features 2' x 4' eletrostatic cell for 100-24,000 Hz and a 12″ polypropylene-cone subwoofer with 2″ voice coil that is down 3 dB at 16 Hz. FR 28-24,000 Hz ±2 dB; power range 30-500 W; sens 90 dB SPL/W/m; imp 8 ohms. Avaialble in a variety of finishes. 25 x 75 x 13.5 in; 165 lb ea..... $5,000/pr

Sequel Electrostatic Speaker
Floor-standing electrostatic/subwoofer system. Features visually transparent electrostatic transducer that operates from 200-24,000 Hz; 30 degrees seam



less horizontal disperson in a vertical line-source format; 1' x 4' electrostatic cell; super-low-mass 10″ subwoofer in a tuned chamber with a matirx voice coil to create linear filed in large excursion modes. FR

26-24,000 Hz ±3 dB; power range 30-300 W; sens 89 dB SPL/W/m; imp 6 ohms. Oak and black finish. 14.5 x 74 x 13.5 in; 110 lb ea. $2,250/pr

The CLS Electrostatic Speaker
Floor-standing curved electrostatic speaker. Features wide-dispersion format for full-range reproduction; 2' x 4' electrostatic cell to reproduce all frequencies from 50-22,000 Hz; 30 degrees seamless horizontal dispersion; 4' line-source vertical; arc-free diaphragm; see-through appearance. FR 50-22,000 Hz ±2 dB; power range 20-150 W; sens 85 dB SPL/W/m; imp 6 ohms. Available in a variety of finishes. 26 x 48 x 2 in; 50 lb. $2,490/pr

MB QUART

MB 980S 3-Way Speakers
Floor-standing, 3-Way acoustic suspension column speakers. Features 1″ titanium dome with ferrofluid tweeter; 2″ aluminum dome midrange; 2-8″ butyl suspension, long throw woofers; crossover frequency 350 Hz; min. power 40 W; imp 4 ohms; FR 34-32,000 Hz; sens 88 dB/W/m; 11 x 39.5 x 11 in; 57 lb 3 oz; genuine walnut or oak, white or grey laquer, (special finishes at extra cost) $2,399

MB 610S Column Styled Loudspeakers
3-way acoustic suspension column loudspeakers. Feature 1″ multi-layered, compressed wood; ceramic magnets; fluid cooled tweeter; computer optimized bass response; 1″ titanium dome tweeer; 2″ supronyl dome midrange; 8″ butyl suspension, long throw woofer; crossover frequencies 400 Hz/2900 Hz; min. power 45 W/ch; imp 4 ohm; FR 39-32,000 Hz; sens 86 dB/W/m; 10.4 x 33.9 x 10.2 in; 38 lb 10 oz; genuine walnut or oak, white, black or grey laquer .. $1,499

MB 480 Convex Speakers
3-way acoustic suspension floor standing loudspeaker. Features front baffle curved convexly; dispersion >180 degrees radiating surface; 1″ titanium dome tweeter; 2″ aluminum dome midrange; 10″ butyl suspension, long throw woofer; crossover frequencies 500 Hz/2500 Hz; min. power 35 W/ch; imp 4 ohm; FR 32-32,000 Hz; sens 87 dB/W/m; 12.6 x 22 x 14 in; 37 lb 6 oz; genuine walnut or oak, whit or black laquer finishes $1,199

MB 350S Loudspeakers
Bass reflex speakers feature 8″ woofer; 1″ titanium dome tweeter; FR 38-32,000 Hz; sens 89 dB; min amp power 20 W; crossover frequency 1500 Hz; imp 4 ohm; 10.2 x 32 x 11 in; 40 lb; comes in black, white, oak, walnut, cherry, rosewood, mahagony, pine finishes $999

MB 310 Subwoofer
Subwoofer features 12″ woofer; FR 25-100 Hz; sens 87 dB; min. amp power 50 W; crossover frequency 100 Hz; 16 x 19 x 15 in; 40 lb; walnut, oak, matte laquer black or white finishes $849

MB 390 3-Way Speakers
3-way acoustic suspension bookshelf speaker. Features 1″ titanium dome tweeter; 4″ butyl suspension midrange ; 10″ butyl suspension, long throw woofer; crossover frequencies 400 Hz/1800 Hz; min. power 35 W/ch; imp 4 ohm; FR 40-32,000 Hz; sens 88 dB/W/m; 12 x 20.5 x 12 in; 28 lb 10 oz; comes in genuine walnut or oak, matte laquer white or black finishes $849

MB 280 2-Way Speakers
2-way acoustic suspension bookshelf speaker. Features 1″ titanium dome tweeter; 8″ butyl suspension, long throw woofer; crossover frequency 1500 Hz; min. power 20 W/ch; imp 4 ohm; FR 50-32,000 Hz; sens 88 dB/W/m; 10.5 x 17.25 x 10.25 in; 22 lb; walnut, oak, white, or black finishes. $549

MB 220 2-Way Speakers
2-way acoustic suspension bookshelf speaker. Features 1″ titanium dome tweeter; 6.5″ butyl suspension, long throw woofer; crossover frequency 1500 Hz; min. power 20 W/ch; imp 4 ohm; FR 60-32,000 Hz; sens 87 dB/W/m; 9 x 12 x 8 in; 11 lb; comes in genuine walnut or oak, matte lacquer black or white finishes $449

McINTOSH

XRT-22 Speaker System
2-piece speaker consisting of a bass cabinet containing 2 12″ woofers and an 8″ midrange, and a tweeter column containing 23 1″ tweeters. Bass cabinet: 40.75 x 25.75 x 12.75 in; tweeter column: 79.5 x 10.5 x 1.63 in; oak finish. ..... $4,000 ea
Walnut finish $4,250

XRT18 Speaker System
2-piece speaker consisting of a bass cabinet containing a 12″ woofer and 6″ midrange and a high-frequency column frame containing sixteen 1″ dome tweeters. Features 3-ampere fast acting fuse for woofer and midrange and a 1.25-ampere fuse for tweeters. Cabinet constructed of 48-pound density fiber board with walnut veneer exteriors. Sens 86 dB SPL/W/m; max power 150 W continuous program power, 500 W peak; min power 30 W; imp 8 ohms; crossover frequencies 350 and 1,500 Hz. Bass cabinet 27.22 x 17.5 x 11.75 in, tweeter column 57.31 x 10.5 x 1.63 in; total weight 92 lb ..... $2,250 ea

XR 1052 4-Way Speaker
4-way speaker. Features 10″ woofer with copper voice coil; 5″ midrange isolated from woofer; 1″ dome tweeter with copper-wire voice coil centered and suspended with custom surround; 15″ passive radiator with accurately adjusted moving mass; built-in crossover with points at 55, 450, and 1,300 Hz; cabinet made of high density particle board; imp 8 ohms. FR 20-20,000 Hz ..... $1,252 ea

XD 717 3-Way Speaker
Floor-standing speaker with 12″ woofer, 6.5″ midrange, and 1″ dome tweeter. Sens 87 dB SPL/W/m; recommended power handling 30-100 W; imp 8 ohms; crossover frequencies 350 and 1,000 Hz. Cabinet constructed of 0.75″ high-density particle board with internal bracing and airtight assembly. Walnut veneer protected by oil-like multi-coat hand-rubbed laquer finish. 37.75 x 17.5 x 11.88 in$799 ea

XD 715 3-Way Speaker
Floor-standing speaker with 10″ woofer, 5″ midrange, and 1″ dome tweeter, Sens 87 dB SPL/W/m; max power 100 W program noise; min power 30 W; imp 8 ohms; crossover frequencies 350 and 1,000 Hz. Cabinet constructed of 0.75″ high-density particle board with internal bracing and airtight assembly with walnut veneer. 30 x 14.75 x 10.06 in . $599 ea

XL1 2-Way Compact Speaker
Bookshelf speaker with 6″ woofer, 1″ dome tweeter, and 1,000 Hz crossover network. Features 0.6-ampere fast-acting fuse. Max power 80 W program noise, 200 W peak; min power 30 W; imp 8 ohms; sens 85 dB SPL/W/m. Cabinet constructed of 0.75″ high-density particle board with internal bracing and airtight assembly $525/pr

XL 1W Subwoofer
Dual-voice-coil subwoofer designed to compliment and extend performance of McIntosh XL 1 speaker. Features 12″ woofer; two 1.5-ampere fast-acting fuses; walnut veneer cabinet protected by an oil-like multi-coat hand-rubbed lacquer finish. Sens 85 dB SPL/W/m; max power 100 W program noise, 250 W peak; min power 30 W; crossover frequency 90 Hz. 32.22 x 17.5 x 11.75 in. ..... $549 ea

MERIDIAN BY MADRIGAL

M100 3-Way Powered Speaker
Inter-Active speaker with 4 power amps (3-70 W/ch, 1-35 W/ch) driving 2-5″ woofers, 2-5″ midranges, 1-2″ dome tweeter. 0.75″ birch cabinet of low resonance with rear-loaded passive radiator. 39 x 16 x 18 in; 70 lb ea; walnut $7,400/pr
Rosewood finish. $8,000/pr

M20 2-Way Powered Speaker
Ported speaker with two 5″ woofers, 2″ tweeter, power supply, 2 power amps in low-resonance cabinet; 0.75″ A-quality birch plywood cabinet; all-metal stand with resonance damping available. FR 38-20,000 Hz ±3 dB; max output 105 dB; 20 x 15 x 7 in. Walnut or teak finish; with amps $2,750/pr
Rosewood finish; with amps $3,000/pr

M30 2-Way Powered Speaker
Compact Inter-Active speaker with 5″ woofer, 1.25″ tweeter; time-delay correction; power supply; power amps. FR 38-20,000 Hz ±3 dB; max output 100 dB free-standing, up to 103 dB on shelf; 14.5 x 12 x 7 in. Walnut, teak, or black ash finish; with amps $1,950/pr

MIRAGE ACOUSTICS

All speakers are ported; nominal imp 6 ohms (min 4); black knit grilles; dome tweeters with crossover point of 2,200 Hz.

M1 Floor-Standing Speaker
2 8″ polypropylene woofers (1 front 1 rear) with 38-oz magnets crossing over to 2 4″ cone midranges (1 front, 1 rear at 300 Hz; 2 0.75″ soft dome tweeters (1 front, 1 rear); black lacquer. FR 20-22,000 Hz ±3 dB; min power 100 W; max power 400 W; sens 86 dB SPL/W/m; imp 6 ohms; 120 lbs; 60 x 19.5 x 9-in $4,000/pr

M2 Floor Standing Speaker
10″ polypropylene filled woofer crossing over at 500 Hz to 2-4″ polypropylene cone midranges (1 front 1 rear) at 2200 Hz crossing over to 2-.75″ soft dome tweeters (1 front 1 rear); black high-gloss polyester finish. FR26-2,200 Hz ±2dB; min power 75 W; max 200 W; sens 87 dB SPL/W/m; imp 6 ohms; 52.5 x 18 x 80-in; 160 lb $3,000/pr

760 2-Way Bass Reflex Speakers
2-8″ carbon filled polypropylene mid/bass units with butyl surround crossing over at 2,200 Hz to a 1″ ferrofluid cooled soft dome tweeter. FR30-20,000 Hz ±3 d; sens 89dB SPL/W/m; power range 30-200 W; imp. 6 ohms; 37 x 11 x 14-in; 62 lbs ea . $900/pr

460 2-Way Speaker
8″ woofer; 1″ dome tweeter; black vinyl. FR 35-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; power range 15-120 W; 25 x 10 x 11-in; 32 lb ea. $500/pr

360 2-Way Speaker
8″ woofer; 0.75 tweeter; black vinyl. FR 45-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; power range 15-100 W; 20 x 10 x 9-in; 20 lb each. $375/pr

260 2-Way Speaker
6.5″ woofer; 0.75″ tweeter; black vinyl. FR 50-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; power range 15-70 W; 15 x 9 x 9-in; 14 lb ea. $250/pr

MISSION ELECTRONICS

Argonaut Floor-Standing Speaker
2-way speaker with time-aligned drivers and transverse-folded cabinet. Optimum placement near rear wall; 2 reinforced homopolymer 8″ cone woofers; 1″ super-elipse cavity-loaded tweeter; spikes. FR 35-20,000 Hz ±3 dB; power range 50-200 W; sens 94.5 dB SPL/W/m; imp 4 ohms; walnut, gray, black; 50 lbs; 11 x 38 x 12 in. $1,799/pr

Freedom 2-Way Speaker
Time-aligned drivers; integral locking stand; transverse-folded cabinet with visco-elastic dampings;

optimum placement near rear wall; 8″ reinforced homopolymer cone woofer; 1″ super-ellipse cavity-loaded tweeter. FR 40-20,000 Hz ±3 dB; min power 20 W; max power 150 W; sens 92 dB SPL/W/m; imp 8 ohms; black, grey, walnut; 28 pounds; 11 x 24.5 x 12 inches $1,199/pr

Renaissance Two-Way Speaker
Integral locking stands; transverse-folded cabinet with visco-elastically dampened walls; 8″ polypropylene cone woofer; 0.75″ polymer-dome tweeter with ferrofluid; crossover frequency 2,400 Hz. FR 40-20,000 Hz ±3 dB; nominal imp 8 ohms; power range 20-125 W/ch; sens 90 dB SPL/W/m; 10 x 21.6 x 11 in; 23 lbs/ea; black/walnut $699/pr

707 Bass-Reflex Speaker
2-way speaker with limestone/polypropylene front baffle board; steel-reinforced 8″ paper woofer; 0.75″ ferrofluid dome tweeter. FR 50-20,000 Hz ±3 dB; min power 20 W, max power 100 W; sens 92 dB SPL/W/m; imp 8 ohms; black and walnut; 17.7 lb; 10 x 19 x 11 in..... $499/pr

700 Leading Edge Acoustic-Suspension Speaker
7″ high rigidity plastiflex cone woofer and 0.75″ ferrofluid cooled dome tweeter; injection-molded polypropylene and limestone baffle board. FR 50-20,000 Hz ±3 dB; min power 15 W rms; max power 100 W rms; sens 90 dB SPL/W/m; imp 6 ohms; black, walnut..... $349/pr

MITSUBISHI

M-S5100 Home Theater Speaker System
12″ three-way floorstanding speaker features 12″ high-polymer laminate woofer; 5″ high-polymer laminate midrange; 1″ pure titanium dome tweeter; FR 35-27,000 Hz ±6 dB; 150 W continuous 600 W peak power handling..... $1,100/pr

M&K

MX-1000 Pedestal Subwoofer
Magnetic shunt powered pedestal subwoofer. Internally amplified acoustic-suspension subwoofer; 2-12″ high-performance drivers; magnetic design and pedestal shape allow use as stand for large monitor televisions; 26 x 28 x 22 in; 115 lb $1,395

Satellite 1B 2-Way Speaker
Acoustic-suspension speajer with 2-5″ polypropylene woofers and 2-1″ soft-dome tweeters. Features 36 tonal balances through midrange; tweeter character switches. Walnut or oak finish with black grille. FR 70-22,000 Hz ±3 dB; power range 7.5-400 W; imp 4 ohms. 21 x 7.75 x 7.62 in; 19 lb $725/pr

Satellite 2B 2-Way Speaker
Acoustic-suspension speaker with 6.5″ polypropylene woofer and 1″ soft-dome tweeter. Features selector for 36 tonal balances; midrange, treble character switches. Walnut or oak finish with black grille. FR 65-20,000 Hz ±3 dB; power range 15-100 W. 10.5 x 6.5 x 7 in; 9 lb..... $550/pr

SX-4 2-Way Satellite Speaker
Acoustic-suspension speaker with 2-5″ woofers and 2-1″ soft-dome tweeters. Features selector for 4 tonal balances via multiple inputs. Black vinyl finish. FR 70-20,000 Hz ±3 dB $495/pr

Satellite 3B 2-Way Speaker
Acoustic-suspension speaker with 5″ polypropylene woofer and 1″ soft-dome tweeter. Features selector for 4 tonal balances via multiple inputs. Black finish with black grilles. FR 100-20,000 Hz ±3 dB; power range 15-100 W. 10.5 x 7 x 6.5 in; 9 lb.... $395/pr
Walnut veneer with balck grilles..... $450/pr

SX-7 2-Way Satellite Speaker
Bookshelf acoustic-suspension speaker with circuit-breaker protection. Features cast-aluminum box with perforated metal grille; 4″ paper-cone midrange; 0.75″ soft-dome tweeter. FR 100-20,000 Hz ±3 dB; power range 5-100 W; sens 87 dB SPL/W/m; imp 4 ohms. Black finish. 4.5 x 7.36 x 4.5 in; 6 lb $240/pr

Subwoofers

V1B Subwoofer
Internally amplified subwoofer with 12″ polypropylene driver. Features preamp, power amp inputs; active filtering at 24 dB/octave with adjustable roll-off point. Walnut or oak finish with black grille. FR 18-125 Hz ±3 decibels. 18.75 x 17.75 x 15.75 inches; 50 pounds..... $850 ea
V2B. Similar to model V1B except less powerful. 43 pounds ..... $695 ea
V3B. Similar to V2B except less powerful and black painted enclosure. 17.5 x 17.5 x 14.5 in; 43 lb$595 ea

VX-4 Subwoofer
Internally amplified subwoofer with 12″ driver and 50-W continuous power output. Features adjustable low-pass filter. Black vinyl finish. FR 40-125 ±3 dB ..... $440 ea

VX-7 Subwoofer
Acoustic-suspention subwoofer with specially designed 50-W amp and 8″ paper-cone woofer. FR 50-80 Hz ±3 dB; max power 50 W internally amplified. Black finish. 10 x 11.75 x 9.5 in; 25 lb .... $360 ea

Accessories

LP-1S Passive Electronic High-Pass Filter
Line-level electronic high-pass filter for biamping with M&K subwoofers. Available in 8.5″ front panel or 19″ rack mount. 100 Hz crossover point at 18 dB/octave. With bypass switch..... $325
Without bypass switch..... $300

RC-1 Satellite/Subwoofer Remote Control
Allows adjustment of all available tonal characteristics remotely. Features midrange, treble character switches; 100-Hz filter or full-range satellite operation; satellite/subwoofer phase correction; subwoofer level control. 8.75 x 7.88 x 2.75 in; 3 lb $185

Satellite Speaker Stand
Stand for M&K satellite speakers. Allows for permanent attachment of satellite to stand. Walnut/oak veneers, black finishes..... $95/pr

V Filter
Plug-in high-pass filter for biamping with M&K subwoofers. 100 Hz crossover at 6 dB/octave. 3 versions to match amplifier input impedance$50/pr

MONITOR AUDIO BY KEVRO

R952/MD Reference Monitor
Floor-standing, sealed enclosure speakers. Feature 1″ aluminum-dome tweeter; 2-6″ polypropylene woofers; FR 45-20,000 Hz ±3 dB; imp 8 ohm; sens 89 dB/W/m; amp power 15-180 W; crossover 6 dB/octave slope; foam lined cabinets; 13.5 x 9 x 12.5 in; 88 lb; kenya black, oak, walnut, or black ash finish $1,549/pr

R852/MD Speaker
Closed box speakers feature 1″ aluminum dome tweeter; 8″ polypropylene woofer; FR 50-20,000 Hz ±3 dB; imp 8 ohm; sens 88 dB/W/m; amp power 15-120 W; foam lined cabinets; 17.75 x 10 x 11 in; 44 lb; kenya black, oak, walnut or black ash finish$1,149/pr

R452/MD Loudspeaker
Tuned port speakers feature 1″ aluminum dome tweeter; 8″ doped paper woofer; FR 50-20,000 Hz ±3 dB; imp 8 ohm; sens 91 dB/W/m; amp power 15-150 W; heavy cabinets with 18 mm thick panel construction; inside of cabinets is veneered; 25.25 x 10 x 12.5 inches; 66 pounds; available in walnut, black ash, or oak finish $1,099/pr



Monitor Audio R952/MD

R652/MD Loudspeaker
Reflex speakers feature 1″ aluminium dome tweeter; 6″ polypropylene woofer; FR 50-20,000 Hz ±3 dB; imp 8 ohm; sens 89 dB/W/m; amp power 20-120 W; 20.25 x 7.75 x 10.5 in; 44 lb; walnut, oak, black ash finish..... $989/pr

R352/MD Loudspeaker
Reflex speakers feature .75″ metal-dome tweeter; 8″ woofer; FR 50-20,000 Hz ±3 dB; imp 8 ohm; sens 91 dB/W/m; amp power 15-120 W; foam lined cabinet; 25.25 x 10 x 12.5 in; 57 lb; walnut, oak, black ash finish..... $899/pr

R700/MD Loudspeaker
Reflex speakers feature 1″ aluminum dome tweeter; 6″ polypropylene woofer; FR 55-20,000 Hz ±3 dB; imp 8 ohm; sens 89 dB/W/m; amp power 20-100 W; 13.75 x 8.5 x 10 in; 42 lb; walnut, oak or black ash finish..... $689/pr

R300/MD Loudspeaker
Sealed box speakers feature .75″ metal-dome tweeter; 8″ doped woofer; FR 50-20,000 Hz ±3 dB; imp 8 ohm; sens 90 dB/W/m; amp power 15-100 W; cabinets veneered inside/outside; 18.5 x 10 . 12.5 in; 44 lb; walnut, black ash, or oak finish $669/pr

R252 Speaker
Sealed enclosure speakers feature 1″ soft-dome tweeter; 8″ woofer; FR 55-20,000 Hz ±3 dB; imp 8 ohm; sens 90 dB/W/m; amp power 15-80 W; 18.5 x 10 x 9.5 in; 31 lb; black ash or walnut finish $429/pr

R100 Speaker
Sealed enclosure speakers feature 1″ soft-dome tweeter; 8″ woofer; FR 60-20,000 Hz ±3 dB; imp 8 ohm; sens 89 dB/W/m; amp power 15-60 W; 15.75 x 10 x 7 in; 25 lb, 5 oz. Available in black ash or walnut finish..... $319/pr

Speaker Stands
MA-30. Fits R100, R252, R300/MD, R700/MD, R852/MD speakers. In black ash, walnut, oak, or Kenya black $189/pr
In Rosewood, mahogany, or teak $269/pr
MA-40. Fits R352/MD and R452/MD In black ash, walnut, oak, or Kenya black $189/pr
In Rosewood, mahogany, or teak $269/pr
MA-50. Fits the R652/MD. In black ash, walnut, oak, or Kenya black $189/pr
In Rosewood, mahogany, or teak $269/pr

MOREL ACOUSTICS

Duet 2 Way Double Magnet Speaker
New MDT-33 tweeter, 28 mm soft dome design with double-magnet structure, Hexatech technique winding (aluminum wire, wound hexagonally) and ferrofluid cooled. MW-164 6″ double magnet woofer also using the Hexatech voic coil. FR 40-22,000 Hz ±2 dB; power handling 150 W rms; 8 x 15 x 12 in; 20 lb $995/pr

MLP-403-II 3-Way Speaker
Ported floor-standing speaker with "Variovent." 9″ free-edge paper-cone woofer; 3″ dome midrange; 1.1″ dome tweeter. FR 38-25,000 Hz ±3 dB; min power 10 W, max power 125 W rms; sens 88 dB SPL/W/m; imp 4-8 ohms; finished in walnut, teak, or black; 21 x 12 x 10 in; 26 lb $750/pr

MPL-203 2-Way Speaker
2-way linear-phase speaker with sealed cabinet. FR 45-28,000 Hz ±3 dB; power handling 150 W; 6″ MW-164, double magnet, 3″ voice coil woofer; 1.1″ ferrofluid-cooled soft-dome MDT-30 tweeter; 8 x 16 x 9.5 in; 18 lb; walnut, red walnut, teak, or black finish $695

MPL-307 2-Way Speaker
2-way speaker with Variovent Two 9″ woofers; 1.1″ dome tweeter; power handling 200 W; FR 33-25,000 Hz ±3 dB; 13 x 23 x 12 in; 32 lb; walnut veneer finish $540

MLP-202 II Bookshelf Speaker
Acoustic-suspension linear-phase speaker. FR 60-28,000 Hz ±3 dB; min power 10 W, max power 150 W rms; sens 89 dB SPL/W/m; imp 4-6 ohms; in walnut, teak, or black; 8 x 13 x 10 in $445/pr

CR-7 2-Way Speaker
Acoustic-suspension bookshelf speaker with an asymmetrical cabinet design to eliminate internal standing waves and improve dispersion and flatness of frequency response. Features 6″ treated paper-cone woofer with metal grille; 1″ soft-dome tweeter with metal grille. Available in mirrored pairs. Black finish. FR 70-25,000 Hz ±3 dB; min power 20 W rms; max power 200 W rms; sens 90 dB SPL/W/m; imp 4-8 ohms. 11 x 7.5 x 4.75 x 7 in; 10 lb ea $395/pr

MLP-201 2-Way Speaker
Acoustic-suspension bookshelf speaker with 9″ free-edge paper-cone woofer, 1.1″ dome tweeter. FR 48-20,000 Hz ±3 dB; power range 10-100 W rms; sens 89 dB SPL/W/m; imp 8 ohms; walnut finish; 10 x 16 x 10 in $285/pr

Speaker Accessories

SDT-2 Floor Stands
20″ black metal stand, can be filled with sand or lead shot $98

B-7 Mounting Bracket
Mounting bracket for CR-7 ..... $40

ST-2 Floor Stands
4″ black wooden stands $30

MTX BY MITEK

ZSE-380 Loudspeaker
Loudspeaker features enclosureless bass transducer module; diffractionless treble transducer module; synchronous time and coincident axial alignment; laterally symmetric transducer mounting; high compression input connectors; discrete module cabling; with ZSE Controller which provides active signal processing for the system; FR 35-25,000 Hz; 250 W pulse power handling; imp 8 ohms; sens 91 dB/W/m; 380 mm Woofer; 35 mm tweeter; dark brown polyester grille with solid hardwood inserts; 34 x 17.5 x 27.5 in; 45 lb $1,800

Pro 215 Floor-Standing Speaker
Bass-reflex speaker with computer-aided Thiele/Small-aligned cabinet. Features 2-15″ cone woofers; 2-5″ PL-5 cone midranges; 3″ horn-loaded tweeter. FR 50-21,000 Hz ±3 dB; power range 5-400 W rms; sens 102.2 dB SPL/W/m; imp 4 ohms; heavy-duty aviation carpet; 125 lb; 18.5 x 46.5 x 16 in $800 ea

Pro 115 Floor-Standing Speaker
Bass-reflex speaker with computer-aided Thiele/Small-aligned cabinet. Features 15″ cone woofer, 2-5″ PL-5 cone midranges; 3″ horn-loaded tweeter. FR 60-21,000 Hz ±3 dB; power range 5-200 W rms; sens 99.6 dB SPL/W/m; imp 4 ohms; heavy-duty aviation carpet; 77 lb; 21.25 x 29.75 x 16 in ..... $700 ea

Pro 210 Floor-Standing Speaker
Bass-reflex speaker with computer-aided Thiele/Small aligned cabinet. Features 2-10″ cone woofers; 2-5″ PL-5 cone midranges; 3″ horn-loaded tweeter. FR 70-21,000 Hz ±3 dB; power range 5-300 W rms; sens 101.6 dB SPL/W/m; imp 4 ohms; heavy-duty aviation carpet; 67 lb; 23.5 x 18.25 x 12.5 in$500 ea

Pro 110 Bass-Reflex Monitor Speaker
Thiele/Small alignment; 10″ cone woofer; 4.5″ cone midrange; 1″ horn-loaded dome tweeter; covered with heavy-duty aviation carpet. FR 75-21,000 Hz; power range 5-100 W rms; sens 94.8 dB SPL/W/m; imp 4/8 ohms; 14 x 18.5 x 12.75 in; 42 lb . $400 ea

TA-2 Loudspeaker
Dual tweeter array system. Features FR 5,000-17,000 Hz; sens 98 dB/W/m; 7 x 12 x 7 in; 27 lb . $300 ea

MUSIC AND SOUND IMPORTS

Mas 925 III 3-Way Speaker
Floor-standing speaker with 10″ polypropylene-cone passive radiator; 8″ poly- cone woofer; 1.75″ textile-dome tweeter; 0.75″ textile-dome tweeter. FR 30-18,000 Hz ±3 dB; power range 25-150 W; sens 91 dB SPL/W/m; imp 8 ohms; natural oak, dark oak veneer finishes; 39 lb; 23.5 x 11.88 x 11.88 in $699/pr

NAD

300A 3-Way Speaker
Internally braced acoustic-suspension tower speaker with 10″ long-throw woofer with butyl surround, 1.5″ midrange, 1″ soft-dome tweeter. Large magnets for powerful bass and no overhang. Power range 10-150 W/ch; nominal imp 4 ohms; crossovers at 900 and 3,000 Hz; resonance 45 Hz; sens 90 dB SPL/W/m. 10.75 x 11.5 x 31.5 in; 57 lb $750/pr
200A. Similar to above except no midrange driver and 8″ woofer. Crossover at 1,700. Power range 10-120 W/ch. 39 lb $500/pr

NADY SYSTEMS

WTS-1 Speaker
Portable self-powered speaker with 15 W cordless amplifier. Features 2 channel FM receiver; microphone; miniature body pack stereo transmitter. Speaker houses 6.5″ woofer; 1.5″ cone tweeter. 8.5 x 12.75 x 7.31 in $200/sys

NEC

RS-1000 3-Way Speaker
Floor-standing 3-way speaker. Features FR 40-20,000 Hz at +4 dB; sens 92 dB; 130 W max power handling; nominal impedance 8 ohms; one ¾-inch dome tweeter; one 5-inch polypropylene midrange; two 10-inch polypropylene woofers. 37 x 12.25 x 13.5 in; 46 lb $800/pr

SW-400 Powered Subwoofer/Full-Range System
Magnetically-shielded peaker system with powered subwoofer and full-range speaker system. Features bass-reflex, 12″ subwoofer with built-in 60-W power amp; low-pass filter; 4″ full-range speaker; 3-level turnover switch; front-channel variable output control ..... $599 ea

RS-500 3-Way Speaker
Floor-standing acoustic-suspension magnetically-shielded speaker with mirror-image design. Features 12″ cone woofer; 5″ polyvinyl acetate-cone midrange; 1″ soft-dome tweeter. FR 40-20,000 Hz ±3 dB; power range 15-130 W rms; sens 92 dB SPL/W/m; imp 8 ohms. Teton oak finish. 14 x 27 x 10.75 in $499/pr

SW-300BU Subwoofer
Magnetically-shielded bass-reflex subwoofer with 12″ cone woofer, built-in 60 W amplifier, and 3 selectable turnover frequencies (70, 100, 150 Hz). FR 20-150 Hz, 20-100 Hz, or 20-70 Hz depending on selected turnover frequency. 18 x 20.7 x 15.3 in; 32 lb$299 ea

AVS-300E 2-Way Surround Sound Speaker
Compact acoustic-suspension speaker designed for rear-channel reproduction of surround sound. Features 5.5″ cone woofer; 1″ polymer-dome tweeter. Power range 5-60 W; nominal imp 8 ohms; sens 89 dB SPL/W/m; FR 60-20,000 Hz. 9.75 x 6.5 x 5.6 in $199/pr

NOVAK LOUDSPEAKER

Model 2 Vented 2-Way Speaker
6.5″ plastic cone woofer vertically aligned with ferrofluid-damped dome tweeter; 4th-order Butterworth woofer loading; 1st-order crossover with mylar capacitors; min-diffraction baffle; nonallergenic antistatic black foam grille; external fuses. FR 44-24,000 Hz ±3 dB; sens 91 dB SPL/W/m; power range 5-60 W; 11.25 x 20.4 x 10.9; shipping weight 26 lb. Black formica $330/pr
Walnut or oak $300/pr

OHM ACOUSTICS

Walsh 5 Vented Speaker
Features Walsh driver; 3 controls for lows, perspective (midrange), and highs, each with 3 positions; gold-plated 5-way binding posts; gold internal connectors; Monster Cable internal wiring; veneered top edge of cabinet. FR 25-25,000 Hz ±4 dB; min power 50 W rms; max power 500 W rms; imp 4 ohms; 1,000-W headroom rating for CDs. Available in walnut, oak and rosewood finishes or teak/white/black lacquer. 95 lbs; 17.5″ x 17.5″ at bottom tapering to 15″ x 15″ at top; 43″ tall. Limited edition run of only 500 sets worldwide, each signed and numbered . . . $5,800/pr

4XO Floor-Standing Speaker
Bass-reflex speaker features inverted conical surface driver; gold-plated 5-way binding posts; gold internal connectors; lead-lined cabinet; Monster Cable internal wiring; casters; tufflex transmission block; ferrofluid cooled; protection circuits; acoustical attenuator for controlled dispersion; sonically transparent circular metal grill. Standard finish walnut and oak, available in Scandinavian rosewood, black, or white lacquer. FR 32-23,000 Hz ±4 dB; sens 91 dB SPL/m/2.83 V; power range 30-500 W; peak handling 700 W; imp 8 ohms. 40″ h x 15.5″ x 15.5″ at base tapering to 11.75″ x 11.75″ at top; 63 lb . . $2,000/pr

3XO Floor-Standing Speaker
Bass-reflex speaker features inverted conical surface driver; press-connector inputs accept banana plugs or up to 12 gauge wire; lead-lined cabinet; casters; tufflex transmission block; ferrofluid cooled; protection circuits; acoustical attenuator; circular metal grill. Standard finish walnut and oak, available in Scandinavian rosewood, black, or white lacquer. FR 36-22,000 Hz ±4 dB; sens 90.6 dB SPL/m/2.83 V; power range 18-200 W; peak handling 300 W; imp 8 ohms. 36 x 13.5 x 13.5 in. at base tapering to 10.5 x 10.5 in. at top; 43 lb. $1,500/pr

2XO Floor-Standing Speaker
Bass-reflex speaker features inverted conical surface

driver; press-connector inputs accept banana plugs or up to 12 gauge wire; sub-bass activator; tufflex transmission block; ferrofluid cooled; protection circuits; acoustical attenuator; circular metal grill. Standard finish walnut and oak, available in Scandinavian rosewood, black, or white lacquer. FR 44-21,000 Hz ±4 dB; sens 90.2 dB SPL/m/2.83 V; power range 15-120 W; peak handling 200 W; imp 8 ohms. 32.5 x 11.5 x 11.5 in. at base tapering to 9.25 x 9.25 in. at top; 29 lb $1,000/pr

1XO Floor-Standing Speaker
Bass-reflex speaker features inverted conical surface driver; press-connector inputs accept banana plugs or up to 12 gauge wire; tufflex transmission block; ferrofluid cooled; protection circuits; acoustical attenuator; circular metal grill. Walnut finish. FR 48-20,000 Hz ±4 dB; sens 90 dB SPL/m/2.83 V; power range 10-90 W; peak handling 150 W; imp 8 ohms. 32.5 x 11.5 x 11.5 in. at base tapering to 9.25 x 9.25 in. at top; 24 lb $750/pr

CAM 42 Speaker
Two-way bookshelf speaker. Features egg shaped .75″ polycarbonate dome tweeter system; 8″ polypropylene woofer; ferrofluid-cooled tweeter with 50 mm magnet; 12″ passive radiator and patented Sub Bass Activator; FR 39-20,000Hz ±4 dB; power range 15-125 W; sens 90dB; imp 8 ohms; enclosure volume 42 l; 14.75 x 11 x 26.5 in; available in brushed bronze vinyl finish $500/pr

CAM 32 Speaker
Two-way bookshelf speaker. Features egg shaped .75″ polycarbonate dome tweeter system; polyswitch circuit breakers; protection circuits; 6.5″ woofer; 10″ passive radiator; FR 39-20,000 Hz ±4 dB; power range 15-125 W; sens 90 dB; imp 8 ohms; enclosure volume 32 l; 12.75 x 11 x 22.25 in; brushed bronze vinyl finish $400/pr

CAM 16 Speaker
Two-way vented speaker. Features egg shaped tweeter system mounted on top of cabinet and adustable; bevelled cabinet; frameless grills; 6.5″ woofer; FR 46-20,000 Hz ±4 dB; power range 15-85 W; sens 89 dB; imp 8 ohms; enclosure volume 16 l; 9 x 11 x 17.25 in; brushed bronze vinyl finish..... $300/pr

PRO 250 Sound Cylinder Loudspeaker
Cylindrical speakers with black matador standard finish with optional real wood veneers of teak, oak, rosewood and walnut. Features lead lining; monster cable; FR 35-20,000 Hz; power rating 10-250 W; sens 91 dB; imp 8 ohm; 45.5″ h x 11.5″ diameter$1,200/pr
PRO 200. Similar to PRO 250 but FR 39-20,000 Hz; Power rating 10-750 W; sens 91 dB; imp 8 ohm; 39″ h x 11.5″ diameter..... $950/pr
PRO 150. Similar to PRO 250 but FR 42-20,000 Hz; power rating 10-125 W; sens 91 dB; imp 8 ohm; 34.5″ h x 11.5″ diameter $750/pr
SC Tall. Similar to above sound cylinders. Power range 25-150 W; FR 40-20,000 Hz..... $750/pr
SC Short. Similar to above sound cylinders. Power range 22-100 W; FR 44-20,000 Hz..... $600/pr

ONKYO

S-70 4-Way Speaker
Bass-reflex speaker with 12″ polypropylene-cone woofer with high-power voice coil, 5″ PVA-treated ferrofluid-cooled midrange, 1″ polycarbonate-dome ferrofluid-cooled tweeter, and 0.5″ polycarbonate-dome ferrofluid-cooled supertweeter. Features self-resetting auto overload protection. FR 55-20,000 Hz ±3 dB; power range 10-150 W rms; sens 93 dB SPL/W/m; imp 8 ohms. Natural-oak-veneer finish. 16 x 40.75 x 10.25 in; 49 lb $600/pr

S-60 4-Way Speaker
Floor-standing bass-reflex speaker with self-resetting overload protection. Features 15″ subwoofer; 12″ polypropylene-cone woofer; 5″ PVA-treated ferrofluid-cooled cone midrange; 1″ polycarbonate-dome ferrofluid-cooled tweeter. 150 W max power handling; FR 32-22,000 Hz ±3 dB; sens 93 dB SPL/W/m; imp 8 ohms. Oak vinyl finish. 16.5 x 40 x 10 in; 45 lb $400/pr

S-40 3-Way Speaker
Floor-standing bass-reflex speaker with self-resetting overload protection. Features 12″ polypropylene-cone woofer; PVA-treated ferrofluid-cooled cone midrange; 1″ polycarbonate ferrofluid-cooled dome tweeter. FR 36-20,000 Hz ±3 dB; power range 10-120 W rms; sens 91 dB SPL/W/m; imp 8 ohms. Oak vinyl finish. 14.5″ w x 36.75 x 8.5 in; 37 lb $300/pr

HS-15 2-Way Speaker
Compact speaker with high-strength mesh grille, 6.25″ cone woofer, 2 2.75″ cone tweeters. Dark grey finish; mirror-image pairs; FR 55-20,000 Hz; max power 45 W; imp 8 ohms. 8.12 x 13.87 x 9.62 in; 10 lb $250/pr

OWI

2300-FX Weatherized Speakers
Wall-mount 2-way weatherized flat-wave system. Imp 4 ohm; power capacity 30-60 W; woofer approx 5 x 5 in. flat wave; strontium magnet; tweeter approx 1.5″ Dyna-ribbon. Available in ivory or black; 9 x 9 x 1.5 in; 2.6 lb/ea..... $320/pr

OWI-503 3-way Weatherized Loudspeakers
High-fidelity loudspeakers. Feature 5.25″ woofer; 2″ tweeter; 1″ tweeter; 10 oz magnet; 60-22,000 Hz; Imp 8 ohm; sens; 93 dB/W/m; 6.75 x 10 x 6 in; 7.0 lb each; aluminum diecast; black or cream $275/pr

Thindy II Model 2301 Loudspeakers
Wall/ceiling, flush mount loudspeaker. Features 5.5″ Honeycomb-Ring speaker; 8.5 oz strontium magnet; 65-20,000 Hz; sens 90 dB/W/m; imp 6 ohm; 9 x 9 x 1.75 in; 2.4 lb; black or ivory $250/pr

DX-7 Compact Powered Speaker
10-W/ch speakers with 4 surround sound selections (stereo, music/movie, delay) enclosed in die cast aluminum; THD @ 10.5 W 1%; 3 amp fuse protection. Speaker section 4″ full range; SPL 88 dB/W/m; imp 3 ohm..... $200/pr

OWI-203 3-Way Weatherized Loudspeakers
Mini-loudspeakers featuring 4″ polypropylene woofer; 2″ mylar tweeter; .5″ mylar tweeter; 10 oz strontium magnet; FR 90-22,000 Hz; imp 8 ohm; sens 92 dB/W/m; 7 x 4.5 x 4 in; 5.51 lb; aluminum die-cast frame; finished in autumn grey, black or cream $159pr

OWI-202 2-Way Weatherized Loudspeakers
Mini-loudspeakers featuring 4″ polypropylene woofer; 2″ mylar tweeter; 10 oz strontium magnet; FR 90-20,000 Hz; imp 8 ohm; sens 92 dB/W/m; 7 x 4.5 x 4 in; 4.41 lb; aluminum diecast; autumn grey, black or cream $139/pr

PARASOUND

Sub/Sat One System
System combines BPI-480 and the CPI440bi each finished in simulated black oak grain. Features wide response, high sens; FR 35-20,000 Hz ±3 dB; imp 4 ohm; power range 10-100 W; sens 89 dB/W/m; 2-8″ subwoofers; 2-4″ mid/bass; 2-1″ dome tweeters with acoustic blankets; subwoofer 18 x14.75 x 11.5 in; satellites 6 x 9 x 6.5 in $465

Sub/Sat Two System
System combines Sub-450 and the Sat-350 to form a compact system. Features wide response; high sens; FR 40-19,500 Hz ±3 dB; imp 4 ohm; power range 10-75 W; 2-5.25″ subwoofers; 2-4″ mid/bass; 2-1.5″ tweeters; subwoofer 13.25 x 8 x 7.25 in; satellite 4.88 x 8 x 4.5 in..... $335

AMW-380 All Weather Monitor
Diecast enclosure system with weatherproofed parts. Features carbon fiber reinforced PP woofer cones; 12 dB/oct. crossover; ferrofluid damped dome tweeter; mounting brackets; FR 48-20,000 Hz ±3 dB; imp 4 ohm; power range 15-80 W; sens 90 dB/W/m; 6.5 x 9 x 6.5 in $325/pr

AW-S390 All-Weather Speaker
Diecast enclosure system. Features carbon fiber reinforced PP woofer cones; 12 dB/oct. crossover; ferrofluid damped dome tweeters; mounting brackets; FR 44-130,000 Hz ±3 dB; imp 4 ohm; power range 15-100 W; sens 90 dB/W/m; 2-5.25″ subwoofers; 6.5 x 9 x 6.5 in..... $325/pr

AWs280 All-Weather Speaker
Ported bookshelf speaker designed to function outdoors year-round. 6″ polypropylene cone woofer, labyrinth bass loading, 1.5″ poly cone tweeter. High-density particle-board beige enclosure with molded outer shell and mounting hooks. FR 65-20,000 Hz ±4 dB; power range 10-60 W; sens 88 dB SPL/W/m; imp 8 ohms. 10 x 14.5 x 9.5 in; 11 lb..... $255/pr

CPI-440bi Compact Perfect Image Speaker
2-way speaker with 4″ high-compliance carbon-fiber-reinforced polypropylene cone woofer and 1″ ferrofluid-damped soft-dome tweeter with acoustic blanket. Nondiffraction cabinet; 1st-order network with polypropylene capacitor; 4th-order vented design. Simulated black oak finish. FR 70-22,000 Hz ±4 dB; THD at 92 dB −1%; imp 4 ohms; sens 88 dB SPL/W/m; sustained power handling 55 W rms; max power 150 W rms; time aligned within 0.05 μs. 9 x 5.88 x 6.5 in $210/pr

PHASE TECHNOLOGY

Phase Coherent Series

PC-1000 4-Way Speaker
Floor-standing phase-coherent passive-radiator speaker. Features met-polypropylene bypass capacitors; 10″ solid-piston RPF radiator; 8″ solid-piston RPF woofer; 5.25″ solid-piston RPF midrange; 1″ soft-dome tweeter; accepts banana plugs. FR 25-20,000 Hz ±3 dB; power range 25-200 wrms; sens 91 dB SPL/W/m; imp 4 ohms; walnut and dark oak; 15.5 x 38.25 x 8.5 in; 70 lb $1,300/pr

PC-800Ho 3-Way Speaker
Floor-standing acoustic-suspension phase-coherent speaker with met-polypropylene bypass capacitors, 10″ flat solid-piston RPF woofer, 5.25″ flat solid-piston RPF midrange, 1″ soft-dome tweeter. Features removable min-diffraction grille; genuine wood veneer; speaker protection. Accepts banana plugs. FR 30-20,000 Hz ±3 dB; min power 20 W rms; max power 150 W rms; sens 91 dB SPL/W/m; imp 4 ohms. Walnut or dark-oak veneer finishes. 14.5 x 36.25 x 8.5 in; 57 lb..... $990/pr

PC-600Ho 2-Way Speaker
Floor-standing acoustic-suspension phase-coherent speaker with met-polypropylene bypass capacitors, 8″ solid-piston RPF woofer, 1″ soft-dome tweeter. Features removable min-diffraction grille; genuine wood veneer; speaker protection. Accepts banana plugs. FR 35-20,000 Hz ±3 dB; min power 20 W rms; max power 125 W rms; sens 91 dB SPL/W/m; imp 4 ohms. Walnut or dark-oak veneer finishes. 12 x 31.25 x 8 in; 42 lb..... $620/pr

PC-60 2-Way Speaker
Bookshelf phase-coherent acoustic-suspension speaker with met-polypropylene bypass capacitors;accepts banana plugs; solid hardwood and veneers; removable min-diffraction grille; speaker protection. 6″ solid-piston RPF woofer; 1″ soft-dome tweeter. FR 55-20,000 Hz ±3 dB; power range 15-100 W; sens 87 dB SPL/W/m; imp 4 ohms; walnut, or oak finishes; 8 x 13.5 x 8 in..... $480/pr

PC-40 2-Way Speaker
Bookshelf phase-coherent acoustic-suspension speaker with met-polypropylene bypass capacitors; accepts banana plugs; genuine wood veneer; removable min-diffraction grille; speaker protection. 5.25″ solid-piston RPF woofer; 1″ soft-dome tweeter. FR 70-20,000 Hz ±3 dB; power range 15-80 W; sens 89 dB SPL/W/m; imp 4 ohms; walnut, stained-oak, light-oak finish; 6.5 x 9.75 x 5.25 in; 10 lb $380/pr

Euro Series

745 ES 3-Way Speaker
Floor-standing acoustic-suspension speaker with angled projected front baffle for minimum diffraction. Features 8″ cone woofer; 6.5″ cone midrange; 1″ soft-dome tweeter; removable min-diffraction grille; rubber surround on woofer and midrange. Accepts banana plugs. FR 35-20,000 Hz ±3 dB; min power 15 W rms; max power 120 W rms; sensitivity 93 dB SPL/W/m; impedance 4 ohms. 10 x 35.25 x 11.75 inches; 42 pounds..... $550/pr

535 ES 3-Way Speaker
Floor-standing acoustic-suspension speaker with angled projected front baffle for minimum diffraction. Features 6.5″ cone woofer; 6.5″ cone midrange; 1″ soft-dome tweeter; removable min-diffraction grille; rubber surround on woofer and midrange. Accepts banana plugs. FR 40-20,000 Hz ±3 dB; min power 15 W rms; max power 100 W rms; sens 92 dB SPL/W/m; imp 4 ohms. Walnut or black-ash vinyl finish. 8.5 x 33.12 x 10.25 in; 32 lb..... $450/pr

325 ES 2-Way Speaker
Bookshelf acoustic-suspension speaker with angled projected front baffle for minimum diffraction. Features 6.5″ cone woofer; 0.5″ dome tweeter; removable min-diffraction grille; rubber surround on woofer. Accepts banana plugs. FR 55-20,000 Hz ±3 dB; min power 15 W rms; max power 80 W rms; sens 92 dB SPL/W/m; imp 4 ohms. Walnut or black-ash vinyl finish. 8 x 17.25 x 8.75 in; 17 lb $240/pr

Subwoofer/Satellite Systems

PC-60/50 Subwoofer/Satellite Set
3-piece acoustic-suspension subwoofer system with down-firing floor-loaded woofer and 2-way compact phase-coherent satellites. Features met-polypropylene bypass capacitors; feet extenders for heavy carpet; tweeter level control; accepts banana plugs; solid hardwood and veneers; removable minimum-diffraction grille; speaker protection. 10″ solid-piston subwoofer, 6″ solid-piston midrange, 1″ soft-dome tweeter. FR 30-20,000 Hz ±3 dB; power range 25-200 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut, stained oak, light oak finish; satellites 8 x 13.5 x 8 in; subwoofer 13 x 14 x 15 in; 60 lb..... $830/set

Subwoofers

PC-50 Subwoofer
Down-firing floor-loaded acoustic-supension subwoofer with met-polypropylene bypass capacitors; internal passive crossover for use with satellite speakers; feet extenders for heavy carpeting; genuine wood veneer. 10″ solid-piston RPF woofer. FR 30-150 Hz ±3 dB; power range 25-200 W; sens 87 dB SPL/W/m; imp 8 ohms; walnut, light oak, stained oak finish; 13 x 14 x 15 in; 33 lb ..... $350 ea

PINNACLE

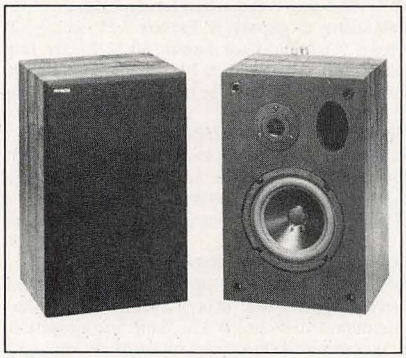
Monitor 200 3-Way Speaker
Bookshelf acoustic-suspension speaker. Features 12″ polypropylene woofer; 4.5″ polypropylene midrange; 0.75″ polycarbonate fluidome tweeter. Push-spring terminals and removable black-knit grilles. FR 38-21,000 Hz ±3 dB; min power 10 W/rms; max power 100 W/rms; sens 92 dB SPL/W/m; imp 6 ohms. Woodgrain vinyl finish. 13.25 x 23 x 12 in; 35 lb..... $449/pr

PN8 Compact 3-Way Speaker
Acoustic-suspension speaker with 0.75″ ferro-fluid polycarbonate tweeter, 4.5″ polypropylene-cone midrange, and 8″ polypropylene-cone woofer. FR 60-21,000 Hz ±3 dB; min power 10 W rms; max power 80 W rms; sens 90 dB SPL/W/m; imp 4 ohms; Hickory vinyl veneer; 9.75 x 15.25 x 8.88 in; 32 lb/pr $279/pr

The Diaduct 8
Features 1 8″ polypropylene woofer with butyl rubber surround; 1.5″ aluminum voice coil; 1 4″ doped cone midrange with damped isolation chamber; 1 0.75″ ferro-fluid filled soft dome tweeter. 6 ohms nominal impedance; FR 42-20,000 Hz ±3 dB. 22.75 x 13.5 x 10 in; 44 lb/each $750/each

PN7 3-Way Speaker
Bookshelf bass-reflex speaker with 6.5″ polypropylene woofer; 1″ convex fabric-dome tweeter; 0.75″ polycarbonate fluidome supertweeter. Push-spring terminals and removable black-knit grilles. FR 55-21,000 Hz ±3 dB; min power 10 W/rms; max power 70 W/rms; sens 90 dB SPL/W/m; imp 4 ohms. Hickory vinyl finish. 9.25 x 14.5 x 8.5 in; 26 lb/pr $249/pr

PN 6+ 2-Way Speaker
Bookshelf speaker with front-mounted Diaduct-port design. Features 0.75″ ferrofluid dome tweeter; 6.5″ polypropylene woofer. FR 55-21,000 Hz ±3 dB; sens



89 dB SPL/W/m; min power 10 W rms; max power 60 W rms. Hickory vinyl veneer; 9.25 x 14.5 x 7.88 in; 26 lb/pr $229/pr

PN6 2-Way Speaker
Bookshelf acoustic-suspension speaker with 6.5″ polypropylene woofer; 0.75″ polycarbonate fluidome tweeter. Push-spring terminals and removable black-knit grilles. FR 55-21,000 Hz ±3 dB; min power 10 W/rms; max power 60 W/rms; sens 88 dB SPL/W/m; imp 4 ohms. Hickory vinyl finish. 9.25 x 14.5 x 7.44 in; 24 lb/pr $199/pr

PN 5+ 2-Way Speaker
Bookshelf speaker with Diaduct-port design. Features 0.75″ polycarbonate ferro-fluid tweeter; 5.25″ polypropylene-cone woofer. FR 65-21,000 Hz; sens 86 dB SPL; power range 10-50 W; imp 6 ohms; 6.75 x 11.25 x 6.88 in; 17 lb/pr $169/pr

PIONEER

DSS-9 3-Way Speaker
Bass-reflex speaker with 12″ polymer-graphite-cone woofer, 2.62″ boron-cone midrange; beryllium ribbon tweeter. Features mirror-image driver alignment; Pioneer's LDMC (linear drive magnetic circuit), EBD (electronic bass drive), and DRS (dynamic response suspension). Nominal imp 6 ohms; sens 91 dB SPL/W/m; max power 240 W. Walnut-grain vinyl finish. Sold only in mirror-imaged pairs. 26.75 x 15.4 x 13.9 in $1,100/pr

CS-V910 3-Way Speaker
Magnetically-shielded 3-way speaker. Features 12″ cone woofer; 4¾″ titanium-dome midrange; 1″ titanium-dome tweeter; aluminum die-cast frame in woofer and midrange; round-cornered baffle. FR 25-30,000 Hz; imp 6 ohms; sens 90 dB SPL/W/m; 150 W max power handling. Dark oak veneer finish. 35.69 x 16.13 x 15.31 in; 75 lb $1,040/pr

DSS-7 3-Way Speaker
Bass-reflex speaker with 12″ polymer-graphite-cone woofer, 2.62″ boron-cone midrange, and beryllium ribbon tweeter. Features mirror-image driver alignment; Pioneer's LDMC (linear drive magnetic circuit), EBD (electronic bass drive), and DRS (dynamic response suspension). Nominal imp 6 ohms; sens 91 dB SPL/W/m; max power 210 W. Walnut-grain vinyl finish. Sold only in mirror-imaged pairs. 25.6 x 14.6 x 13.6 in..... $760/pr

CS-707 4-Way Speaker
Bass-reflex speaker with 15.75″ dual-voice-coil woofer, 4.75″ midrange, horn tweeter with acoustic lens, and twin-piezo supertweeter. Features EBD (electronic bass drive); 3-position tone selector; LED power indicator. Imp 8 ohms; sens 98 dB SPL/W/m; max power 300 W. Walnut-grain vinyl finish. 28.6 x 17.7 x 10.6 in..... $760/pr

CS-607 4-Way Speaker
Bass-reflex speaker with 12″ dual-voice-coil woofer, 4.75″ midrange, horn tweeter with acoustic lens, and twin-piezo supertweeter. Features EBD (electronic bass drive); LED power indicator. Imp 8 ohms; sens 96 dB SPL/W/m; max power 210 W. Walnut-grain vinyl finish. 25.6 x 16.1 x 11.25 in..... $640/pr

DSS-5 3-Way Speaker
Bass-reflex speaker with 10″ cone woofer, 2.62″ cone midrange, and 1″ dome tweeter. Features mirror-image driver alignment; Pioneer's LDMC (linear drive magnetic circuit), EBD (electronic bass drive), and DRS (dynamic response suspension). Imp 8 ohms; sens 91 dB SPL/W/m; max power 120 W. Walnut-grain vinyl finish. Sold only in mirror-imaged pairs. 22.4 x 12.8 x 11.4 in..... $520/pr

Elite DSS-E6 3-Way Speaker
Features 7.88″ polymer-grpahite-cone woofer; 2.88″ boron-cone midrange; beryllium ribbon tweeter; mirror-image driver alignment; Pioneer's LDMC (linear drive magnetic circuit), EBD (electronic bass drive), and DRS (dynamic response suspension). Nominal imp 6 ohms; sens 91 dB SPL/W/m; max power 120 W. Sold only in mirror-imaged pairs. 18.5 x 10.6 x 9.6 in..... $600/pr

CS-407 3-Way Speaker
Bass-reflex speaker with 12″ woofer, 4″ midrange, and 2.5″ cone tweeter. Imp 8 ohms; sens 94 dB SPL/W/m; max power 150 W. Walnut-grain vinyl finish. 24.8 x 15 x 10.4 in $380/pr

CS-G401W 3-Way Speaker
3-way bass-reflex speaker. Features 16″ woofer; 4.75″ midrange; 2.5″ tweeter; imp 8 ohms; FR 30-20,000 Hz; 150 W max power handling; sens 92 dB SPL/W/m; walnut grain vinyl finish. 29.13 x 17.31 x 11.63 in; 36 lb, 6 oz $360/pr

CS-VX110 2-Way Speaker
Magnetically-shielded speaker for A/V use. Features 7″ woofer; 2.5″ tweeter; FR 50-20,000 Hz; imp 8 ohms; sens 90 dB SPL/W/m; 60 W max power handling; dark oak veneer finish. 13.75 x 9.38 x 7.31 in; 23 lb..... $320/pr

CS-G301WAII 3-Way Speaker
Bass-reflex bookshelf speaker with 12″ woofer, 4.75″ midrange, and 2.62″ tweeter. Imp 6 ohms; sens 91.5 dB SPL/W/m; max power 120 W. Walnut-grain vinyl finish. 26.5 x 15 x 13 in..... $280/pr

CS-G201WAII 3-Way Speaker
Bass-reflex bookshelf speaker with 10″ woofer, 3″

midrange, and 2.62″ tweeter. Imp 6 ohms; sens 90 dB SPL/W/m; max power 100 W. Walnut-grain vinyl finish. 24 x 13.75 x 11.8 in $210/pr

CS-G101WAII 2-Way Speaker
Sealed-box bookshelf speaker with 10″ woofer and 2.62″ tweeter. Imp 6 ohms; sens 90 dB SPL/W/m; max power 50 W. Walnut-grain vinyl finish. 22.4 x 13 x 7.8 in..... $150/pr

S-X7 Full-Range Speaker
Compact bass-reflex speaker designed for surround-sound applications. Features 3.5″ driver; sens selector switch; black vinyl finish. Imp 16 ohms; sens 90 dB; max power 30 W. 5.4 x 7.5 x 4.5 in... $130/pr

CS-X5 Surround-Sound Speaker
Speaker for surround-sound applications. Features 4″ full-cone driver; imp 8 ohms; 30 W max power; sens 90 dB. 7.5 x 5.5 x 5 in; 7.3 lb $60/pr

POLK AUDIO

SDA-SRS 1.2 Signature Reference Speaker
Floor-standing speaker that incorporates coherent Line-Source True Stereo (SDA) technology for 3-dimensional imaging. Features 15″ planar passive radiator; 8 6.5″ trilaminate polymer midranges; 4 1″ silver-coil soft-dome tweeters. FR 10-26,000 Hz; Recom. Assoc. Amplification: 10-1,000 W; 6 ohms nominal imp. Oiled oak, and walnut finish. 21 x 63.75 x 13 in; 185 lb..... $1,495/each

SDA-SRS2 Signature Reference Speaker
Floor-standing smaller-version SDA-SRS. Features Line Source Polk SDA True Stereo Technology for 3-dimensional imaging; 15″ planar sub-bass radiator; 6 6.5″ trilaminate polymer bass/midrange drivers; 3 1″ silver-coil polymer-dome tweeters. Recom. Assoc. Amplification 10-750 W/channel; 6 ohms nominal impedance. Oiled oak or walnut finish. 55 x 20.62 x 13.12 in; 155 lb..... $1,100/each

SDA-1C 3-Way Speaker
Floor-standng speaker. Features 4 Polk 6.5″ trilaminate polymer bass midrange drivers; 2 1″ silver coil polymer dome tweeters; 1 12″ planar sub-bass radiator. Recom. Assoc. Amplification 10-500 W; FR 14-26,000 Hz; 6 ohms nominal impedance. Oiled walnut or oak cabinet. Black studio version at lower cost. 43.5 x 16.5 x 12 in; 95 lb..... $850/each

SDA-2B 3-Way Speaker
Similar to SDA-1B except 2 6.5″ trilaminate polymer bass/midrange drivers; 1 1″ silver coil polymer dome tweeters; 1 12″ planar sub-bass radiator; FR 15-26,000 Hz; 6 ohms nominal impedance. Oiled walnut or oak cabinet. Black studio version at lower cost. 39.5 x 16.5 x 12 in; 87 lb..... $600/each

SDA-CRS+ 3-Way Speaker
Bookshelf speaker with SDA technology for life-like three-dimensional imaging; features 2 6.5″ trilaminate polymer bass/midrange drivers; 1″ polymer dome tweeter; 10″ passive cone radiator. FR 24-25,500 Hz; Recom. Assoc. Amplification 10-250 W; 6 ohms nominal impedance. Black ash, walnut or oak vinyl finish. Genuine walnut or oak veneer finish available at extra cost. 20 x 12.5 x 12 in; 36 lb ... $425/each

RTA 11t Monitor 3-Way Speaker
Real-Time-Array floor-standing speakers with 2 8″ low-resonance subwoofer, 2 6.5″ trilaminate polymer bass/midrange drivers, and a 1″ polymer dome tweeter; FR 15-25,000 Hz; Recom. Assoc. Amplification 10-500 W; 6 ohms nominal impedance. Black ash, walnut and oak vinyl finish. Genuine walnut and oak veneer finish available at extra cost. 39 x 10.5 x 14.5 in; 58 lb..... $450/each

RTA 8t Monitor 3-Way Speaker
Real-Time-Array floor-standing speaker with 2 6.5″ trilaminate polymer bass/midrange drivers; 1″ silver-coil polymer dome tweeter. FR 22-26,000 Hz; Recom. Assoc. Amplification 10-200 W; 6 ohms nominal impedance; Black ash, walnut and oak vinyl finish. Genuine walnut and oak veneer finish available at extra cost. 28″h x 16″w x 9.25″d; 48 lb.. $260/each

Monitor 10B 3-Way Speaker
Sub-bass radiator/sealed floor-standing speaker with 10″ fluid-coupled subwoofer; 2 6.5″ trilaminate polymer bass/midrange drivers; 1″ polymer dome tweeter. FR 22-25,000 Hz; Recom. Assoc. Amplifcation 10-250 W; 6 ohms nominal impedance. Black ash, walnut and oak vinyl finish. Genuine walnut and oak veneer finish available at extra cost. 28″ h x 16″ w x 11.5″d; 48 lb $330/each

Monitor 7C 3-Way Speaker
Sub-bass radiator/sealed bookshelf speaker with 10″ fluid coupled subwoofer; 6.5″ trilaminate polymer bass/midrange driver; 1″ polymer dome tweeter. FR 26-25,000 Hz; power range 10-100 W; 6 ohms nominal impedance; 24 x 14 x 9.25 in; 34 lb $260/each

Monitor 5B. Similar to 7C; 1″ silver coil dome tweeter; 6.5″ trilaminate polymer bass/midrange driver; 8″ fluid coupled subwoofer; FR 31-25,000 Hz; power range 10-60 W; 6 ohms nominal impedance. 21.5 x 10.5 x 8.5 in; 26 lb $200/each

Monitor 5 Jr.+ 3-Way Speaker
Bookshelf speaker with 1″ silver coil dome tweeter; 6.5″ trilaminate polymer bass/midrange driver; 8″ fluid coupled subwoofer. FR 29-26,000 Hz; power range 10-100 W; 6 ohms nominal impedance. Black-ash, walnut and oak vinyl finish. 17 x 9 x 8.87 in; 41 lb..... $340/pair

Monitor 4.5 2-Way Speaker
Bookshelf speaker with 6.5″ trilaminate polymer bass/midrange driver; 1″ ferro-fluid cooled dome tweeter; isophase crossover network; Terminated transmission duct that loads bass/midrange driver into deep-bass range. FR 30-25,000 Hz; power range 10-100 W; 6 ohms nominal impedance. 17 x 9 x 8.87 in; 22 lb..... $245/pair

Monitor 4A 2-Way Speaker
Bookshelf speaker with trilaminate polymer bass/midrange driver; 1″ ferro-fluid cooled dome tweeter; isophase crossover network; Terminated transmission duct that loads bass/midrange driver into deep-bass range. FR 55-21,000 Hz; power range 10-80 W; 6 ohms nominal impedance. 14.5 x 8.5 x 7.36 in; 16 lb..... $200/pair

PRECISE ACOUSTIC LABORATORIES

Monitor 10 Speaker
3-way bass reflex speaker with tuned-port design. Features 10″ woofer; 6.5″ midrange; 1″ soft-dome tweeter; FR 20-35,000 Hz; 250 W max power handling. Natural oak veneer finish ..... $750 ea

Monitor 9 Speaker
2-way floor-standing speaker with 8″ woofer, 1″ tweeter, and 10″ passive radiator. Features 150 W max power handling; imp 6 ohms; sens 91 dB$330 ea

Monitor 7 Speaker
2-way bass-reflex speaker. Features 8″ woofer and 1″ tweeter; FR 28-35,000 Hz; 100 W max power handling; imp 6 ohms; sens 91 dB ..... $230 ea

Monitor 5 Speaker
2-way passive radiator speaker with 8″ woofer and 1″ dome tweeter. Features 80 W max power handling; 9-element crossover; FR 32-35,000 Hz..... $180

Monitor 3 Speaker
2-way bass-reflex speaker. Features 6.5″ woofer and 1″ tweeter ..... $140 ea

PSB SPEAKERS

Stratus Tower Speaker
8″ woofer with focused magnetic gap; cloth-dome tweeter; 2nd-order crossover at 1,800 Hz; light oak, dark oak, black wood finishes. FR 60-20,000 ±2 dB; sens 88 dB; power range 15-150 W..... $1,400/pr

20 MKII Speaker
2-way speaker system with ½″ polydome tweeter; 6″ woofer; black or brown finish $200/pr

30 MKII Speaker
2-way speaker system with ¾″ textile dome tweeter; 8″ polypropylene woofer; rated impedance 8 ohms; black or brown finish..... $400/pr

40 MKII Speaker
2-way speaker system with ¾″ textile dome tweeter; 8″ polypropylene woofer; rated impedance 8 ohms; black or brown finish..... $400/pr

50 MKII Speaker
2-way speaker system with 1″ textile dome tweeter; 8″ polypropylene cast basket woofer; rated impedance 8 ohms; black or brown finish $500/pr

Subwoofer 1
Optimized for 50R speakers; may be used with 30R or other speakers with sens 86-92 dB SPL/W/m; stereo crossover network at 100 Hz rolls off frequencies going to satellite speakers at 6 dB/octave; 2 8 extra-long-throw woofers with aluminum voice coils can be combined for mono; tuned port; brown or black finish; Barton hickory or black ash. Power range 30-200 W rms; system resonance 26 Hz; sensitivity 88 dB SPL/W/m; 22 x 22 x 22 in; 90 lb$700

QUAD

ESL-63 US Monitor
Full-range electrostatic doublet speaker with dipole source. Features 2 protection circuits. Power range 100-190 W; sens 86 dB, 2.83 V rms; imp 8 ohms; axis band limits −6 dB at 35 Hz, third-order, −6 dB at 20 kHz; 92.5 x 66 x 27 cm; 23 kg; black $3,995/pr
ESL-63 Pro. Professional version with carrying handles $4,400/pr

QUASAR

SW30A Full-Range Speaker
Bookshelf round-ball speaker designed for use as rear-channel speakers. Features 4″ cone midrange; stands. FR 150-20,000 Hz ±10 dB $80/pr

RCA

SPK500 Dimensia 3-Way Speaker
Floor-standing bass-reflex speaker with Zero Magnetic Distortion for placement next to a video monitor. Features 11″ cross-carbon woofer; 4″ pure carbon midrange; 1″ titanium alloy dome tweeter. FR 28-20,000 Hz ±3 dB; max input power 160 W rms; imp 8 ohms. 12.75 x 36 x 12.5 in $549/pr

SPK400 Dimensia 3-Way Speaker
Floor-standing acoustic-suspension speaker with Zero Magnetic Distortion. Features 12″ nylon-coated woofer; 4″ resin-coated midrange; 1″ soft dome tweeter. FR 35-20,000 Hz ±3 dB; max input power 120 W rms; imp 8 ohms $399/pr

SPK250 Dimensia 2-Way Speaker
Acoustic-suspension speaker with Zero Magnetic Distortion. Features 8″ polypropylene woofer; 1″ soft dome tweeter. FR 45-20,000 Hz ±3 dB; max input power 80 W rms; imp 8 ohms..... $269/pr

SPK050 Full-Range Surround Sound Speaker
Full-range speaker with Zero Magnetic Distortion. Features 4″ polypropylene cone; color-coded input terminals; pivoting mounting brackets. FR 200-

15,000 Hz ±3 dB; max input power 50 W rms. 7.13 x 7.38 x 7 in..... $149

REALISTIC

Nominal imp of all Realistic speakers is 8 ohms.

Mach Two 3-Way Speaker
Vented Ferrofluid-cooled speaker with 15″ woofer, 5″ cone midrange, 4″ dual-radial superhorn tweeter; level controls for midrange and tweeter; walnut veneer. Max power 160 W; sens 94 dB SPL/W/m; 27.56 x 17/75 x 11.81 in $512/pr

Nova 15 Speaker
Walnut-veneered vented speaker with 2.5″ tweeter. Max power 60 W; 19 x 16.75 x 7.5 in..... $160/pr

MC-1800 Acoustic-Suspension Speaker
Bookshelf speaker with 8″ high-compliance woofer and 2.5″ wide-dispersion tweeter. FR 70-20,000 Hz ±3 dB; max power 50 W rms; imp 8 ohms. Oiled-walnut finish. 10.9 x 17.75 x 6.9 in..... $120/pr

MC-800 2-Way Bookshelf Speaker
6.5″ woofer; 2.5″ cone tweeter; removable cloth grille; push-on speaker terminals. Max power 40 W. 13.5 x 8.88 x 5.31 in $90/pr

40-165 Mini Speakers
2.5″ square drivers; attached cable with mini plug for portable CD players and pocket stereos. Max power 1 W; 3.6 x 2.9 x 1.75 in..... $20/pr

40-155 Stereo Mini Speaker
Single enclosure with 2-1.5″ drivers; mini plug for portable CD players and pocket stereos. 3.12 x 3.25 x 1.25 in..... $10

Optimus Speakers
1000. Floor-standing bass-reflex tuned-port speaker with 15″ high-compliance woofer, 5″ midrange, 3″ tweeter. FR 50-20,000 Hz ±3 dB; max power 100 W rms; sens 92 dB SPL/W/m; imp 8 ohms. Oiled-walnut finish. 17.3 x 31.8 x 11.6 in; 44 lb..... $400/pr
900. Floor-standing bass-reflex tuned-port speaker with 12″ high-compliance woofer, 4″ midrange, 2.5″ Ferrofluid tweeter. FR 50-20,000 Hz ±3 dB; max power 100 W rms; sens 90 dB SPL/W/m; imp 8 ohms. Oiled-walnut finish. 14 x 29.75 x 10.88 in; 33 lb..... $310/pr
650. Bass-reflex speaker; 12″ woofer; 4″ midrange; 2.5: cone; 100 W; sens 91 dB..... $240/pr
600. Bass-reflex speaker; 8″ woofer; 4″ midrange; 2.5″ cone tweeter; removable cloth grille; recessed color-coded spring-loaded terminals. Max power 70 W; sens 90 dB SPL/W/m. Oiled walnut veneer $200/pr

Minimus Speakers
0.9. 2-way speaker with built-in 5 band equalizer; 5 W/ch; 5″ woofer; 144″ tweeter..... $200/pr
7W. Walnut-veneer mini speaker with 4″ woofer; 1″ soft-dome tweeter; removable cloth grille; spring terminals. Maximum power handling 40 W; 8 x 5 x 4 in..... $120/pr
7. Die-cast metal enclosure; long-excursion 4″ woofer; 1″ soft-dome tweeter; deluxe crossover for smooth response without artificial peaks; hanger slots and recessed spring connectors for wall mounting. Max power 40 W; 7.1 x 4.4 x 4.3 in $100/pr
25. 5″ long-throw woofer; 2.5″ tweeter; walnut veneer. Max power 40 W; 11 x 6.7 x 4.3 in . $60/pr
0.6. Powered speakers with 2.5″ drivers for use with portable CD players and pocket stereos; 8 C batteries needed; with case, strap, cable. 5.6″ H $50/pr
18. 4″ driver; spring terminals; walnut vinyl finish. 9.4 x 5.75 x 4.75 in..... $44/pr
3.5. Molded enclosure with steel grille; spring terminals. Max power 15 W; 5.75 x 3.6 x 3.1 in.. $40/pr
2.5. 4″ driver; walnut vinyl finish. Max power 10 W; 6.6 x 4.9 x 3.1 in..... $32/pr
3. 5″ driver; walnut vinyl finish. Max power 7 W; 10 x 8.5 x 5.5 in $28/pr
0.3. Cube speaker with 3″ driver; walnut veneer. Max power 7 W; 4 x 4 x 3.3 in $26/pr
Mounting Brackets. For 7W and 7..... $14.95/pr
Mounting Brackets. For 3.5 ..... $9.95/pr

Supertweeters
Dynamic. Extends response to 40,000 Hz; mounts in or outside speaker cabinet; max power 50 W; 4″ H$22
Piezo. Extends response to 27,000 Hz. Max power 75 W; sens 96 dB SPL/W/m $13

RECOTON

Wireless 100 Speaker System
System consisting of transmitter and 2 powered speakers enabling listening to stereo in any room in house. Transmitter plugs into any audio component or AC outlet, speakers plug into that room's AC outlet. Features 4.5″ full-range driver; volume control; FR 60-15,000 Hz; sep 90 dB; S/N 80 dB; 12 W/ch amp. Available in black and white..... $270

SS53-Amplified Speakers
Speakers for portables. 3.5 x 2.6 x 2.5 in ... $20/pr

REEL TO REAL DESIGNS

Legacy-Signature Tower Speaker
Five-driver biampable tower speaker with digital electronic crossover. Features ribbon supertweeter; titanium dome midrange; vented polycone midrange; slot-loaded subwoofer section with double magnet structure. Oiled oak or walnut. FR 22-30,000 Hz ±2 dB; sens 92 dB; min power 45 watts; imp 8 ohms; 44.0 x 12.0 x 13.0 in; 206 lb/system $2,496/pr

Legacy-1 Tower Speaker
Biample tower speaker with hand-tuned crossover. Features ribbon supertweeter; dome midrange; 6″ poly midrange and slot loaded subwoofer section with double magnet structure; dual gold binding posts; oiled oak or walnut; FR 26-30,000 Hz ±2dB; sens 91 dB; min power 45 watts; imp 8 ohms; 42.0″ x 12.0 x 13.0 lb/system..... $1,696/pr

Legacy-2 Tower Speaker
Three-way tower speaker with gold binding posts; Features hand-rubbed walnut or oak; 10″ poly woofer; 6″ midrange; 1″ ferrofluid tweeter; FR 32-22,000 Hz ±2 dB; sens 90 dB; imp 8 ohms; 38.0 x 12.0 x 13.0 in; 160 lb/system..... $996/pr

Legacy-3 Floor-Standing Speaker
Floor-standing double chambered speaker with 8″ subwoofer; 6″ midbass and 1″ ferrofluid dome. Features individually-tuned chambers; hard-rubbed walnut or oak veneer cabinets; gold binding posts; FR 34-22,000 Hz ±2 dB; sens 91 dB; imp 4 ohms; 35.0 x 12.0 x 10.0 in; 140 lb/system..... $796/pr

Legacy-Satellite Bookshelf Speaker
Bookshelf-sized speaker with 6″ polypropylene woofer; 1″ ferrofluid cooled dome; gold binding posts; FR 40-22,000 Hz ±2 dB; sens 90 dB; imp 8 ohms. 13.0 x 10.0 x 10.0 in; 55 lb/system..... $548/pr

Legacy-Subwoofer
Dual-channel subwoofer with independent 10″ bass drivers; variable crossover frequency and slope; assisted fourth order; FR 22-100,000 Hz ±2 dB; sens 91 dB; imp 8 ohms; 24.0 x 16.0 x 16.0 in; 93 lb/system..... $548/each

REVOX

Agora B Amplified Speaker
Floor-standing triamplified active ported speaker incorporating three 100-watt amps with active dividing networks in each enclosure. Designed to be driven from preamp or direct from high-level sources such as CD player. Features push-pull dual woofer design with one woofer facing into enclosure to eliminate even-order harmonic distortion. Two 8″ cone woofers; 4.75″ cone midrange; .75″ titanium dome tweeter. Low-frequency amp utilizes feedback to compensate for back-EMF. Also features 4-step bass and treble controls; bass blend switch; auto power on/off. FR 30-21,000 Hz ±3 dB; sens 110 dB SPL/W/m; real walnut veneer finish with brown grille or polished ebony finish with black grille. 16.75 x 29 x 16.75 in; 68 lb..... $5,000/pr
Black lacquer finish $5,900/pr

Symbol MK-II 3-Way Speaker
Floor-standing speaker with 12.2″ passive radiator. Features 12.2″ woofer; 4.8″ midrange; 1″ tweeter; screw-lock connection terminals; fuse overload protection. Max power input 200 W continuous, 300 W peak; imp 4 ohms; sens 92 dB SPL/W/m. Dark walnut veneer finish; 16.7 x 39.8 x 16.3 in; 112 lb $4,000/pr

Atrium MK-II 3-Way Speaker
Floor-standing bass-reflex speaker features 10.2″ woofer; 4.8″ midrange; 1″ tweeter; screw-lock connection terminals; fuse overload protection. Max power input 140 W continuous, 180 W peak; imp 4 ohms; sens 91 dB SPL/W/m. Dark walnut veneer finish; 13.5 x 33.6 x 14.5 in; 84 lb $2,900/pr

Plenum MK-II 3-Way Speaker
3-way bass-reflex bookshelf speaker. Features 10.2″ woofer; 4.5″ midrange; 1″ tweeter; screw-lock connection terminals; fuse-overload protection. Max power input 130 W continuous, 170 W peak; imp 4 ohms; sens 89 dB SPL/W/m. Dark walnut veneer finish; 13.7 x 22.8 x 13.4 in; 55.2 lb..... $1,900/pr

Power Cube
Powered woofer incorporating 2 additional amplifiers to power any suitable pair of satellite speakers. Features 12.3″ woofer, FR 35-22,000 Hz ±3 dB; 150 W amp for bass speakers; 2-100 W amps for use with satellites; sens 100 dB; 15.5 x 14.5 x 16.25 in; 42 lb; black or white matte finish $1,600

Forum MK-II 3-Way Speaker
3-way bass-reflex bookshelf speaker. Features 9.6″ woofer; 3.9″ midrange; 0.7″ tweeter; screw-lock connection terminals; fuse overload protection. Max power input 110 W continuous, 150 W peak; imp 4 ohms; sens 88 dB SPL/W/m. Dark walnut veneer finish; 13 x 17.5 x 13.4 in; 36.8 lb..... $1,300/pr

Piccolo Miniature Speaker
Satellite speaker may be used with or without companion subwoofer. Satellites feature 4.19″ cone woofer; 0.75″ dome tweeter. Subwoofer features 10.19″ cone subwoofer. FR 48-22,000 Hz ±3 dB; power range 20-70 W; sens 86 dB SPL/W/m; imp 4 ohms; black finish. Satellite 5.5 x 8.75 x 5.75 in, 5.5 lb; subwoofer 15.36 x 14.19 x 14.62 in, 32 lb. Satellites $390/pr
Subwoofer. ..... $450 ea

RICH ACOUSTIC LABS

MT88 3-Way Speaker
Features 2 8″ poly cone woofers; 1″ soft-dome tweeter; FR 31-20,000 ±3 dB; crossovers at 60 and 2,700 Hz; power range 10-250 W; nom imp 4 ohms; oak or walnut finishes; sens 91 dB SPL/W/m. 32.63 x 10.5 x 11.25 in $799/pr

Model 8
Features 8″ poly cone woofer; 1 1″ soft-dome tweeter; FR 34-20,000 ±3 dB; crossover at 2,500 Hz; power range 10-200 W; nom imp 8 ohms; oak or walnut finishes; sens 90 dB SPL/W/m. 24 x 10.5 x 11.25 in..... $499/pr

Model 6
Features 6½″ poly cone woofer; ¾″ soft-dome tweeter; FR 38-20,000 ±3 dB; crossover at 2,700 Hz; power range 10-150 W; nom imp 8 ohms; oak or walnut finishes; sens 90 dB SPL/W/m. 20.5 x 8.8 x 9.25 in..... $399/pr

ROCKUSTICS

All Rockustic speakers are designed with an individually handcrafted natural-look stone enclosure to blend into outdoor landscaping. Rockustic speakers are completely waterproof and weatherproof for outdoor applications and feature positive, negative, and ground connection terminals.

Stonehenge. 3-way speaker with 8″ woofer, 5.4″ midrange, and 1″ dome tweeter. FR 54-18,500 Hz ±3 dB; power handling 150 W; imp 4 ohms; sens 90 dB SPL/W/m. 85 lb. $1,300/pr

Hillside. 3-way speaker with 8″ woofer, 5.4″ midrange, and 1″ dome tweeter. FR 54-18,500 Hz ±3 dB; power handling 150 W; imp 4 ohms; sens 90 dB SPL/W/m. 120 lb. $1,300/pr

Rocky Jr. 2-Way speaker with 6.5″ long-throw polypropylene-cone woofer, 1″ soft-dome ferrofluid-cooled tweeter, and third-order crossover (3,000 Hz). FR 58-18,500 Hz ±2.5 dB; imp 5 ohms nominal, 3.7 ohms min; sens 90 dB SPL/W/m. . . . . $325 ea

SANSUI

Vintage SP-100i

2-way magnetically-shielded bass reflex speaker. Features 8.25″ filament carbon woofer with twin magnets; 1″ titanium-diaphragm tweeter with diamond plating; inner-frame mounting with 1.5″ rear baffle; front baffle; ⅓″ die cast aluminum tweeter base; both speakers have cylindrical frames; tweeter's flange plate is attached to cork sheet; isolated crossover network; titanium black finish. FR 40-30,000 Hz; crossover at 1,500 Hz; sens 88 dB SPL/W/m; imp 6 ohms; 120 W max power. 17.69 x 11 x 13.44 in; 41.9 lb. $1,800/pr

S-2000U 3-Way Speaker

3-way design with passive radiator. Features 12″ cone woofer; 4″ cone midrange; 3″ cone tweeter; 12″ cone passive radiator. Power 160 W; sens 92 dB W/m; imp 8 ohms. 15.25 x 41 x 11 in; 44 lb $526/pr

SP-X3U 3-Way Speaker

Acoustic-suspension 3-way speaker. Features rounded cabinet baffles; oak cabinets; 10″ carbon-filled polypropylene woofer with butyl rubber surround; 5″ carbon-filled polypropylene midrange cone; ¾″ ferrofluid cooled dome tweeter; silicone carbon-oxide core coil crossover network; gold-plated 5-way binding posts; FR 35-23,000 Hz ±3 dB; 250 W max power; imp 8 ohms. 21.25 x 14 x 10.38 in; 17 lb. . $400/pr

S-1000U 3-Way Speaker

Features 12″ cone woofer; 4″ cone midrange; 3″ cone tweeter. Built in self-restoring overload protector. FR 32-22,000 Hz. max power 160 W; sens 91dB W/m; imp 8 ohms. 15.25 x 37.5 x 11 in; 39 lb. . . $350/pr

SP-X2U 2-Way Speaker

Acoustic suspension 2-way speaker. Features rounded cabinet baffles; oak cabinets; 8″ carbon-filled polypropylene woofer with butyl rubber surround; ¾″ ferrofluid cooled dome tweeter; silicone carbon-oxide core coil crossover network; gold-plated 5-way binding posts; FR 40-23,000 Hz ±3 dB; 200 W max power; imp 8 ohms. 21.25 x 11.75 x 10.38 in; 28 lb. $300/pr

SP-X1U 2-Way Speaker

Acoustic suspension 2-way speaker. Features rounded cabinet baffles; oak cabinets; 6½″ carbon-filled polypropylene woofer with butyl rubber surround; ½″ ferrofluid cooled dome tweeter; silicone carbon-oxide core coil crossover network; nickel-plated 5-way binding posts; FR 50-22,000 Hz ±3 dB; 150 W max power; imp 8 ohms. 14.5 x 9.5 x 9.13 in; 17 lb. $220/pr

S-71UE 3-Way Speaker

3-way speaker with built-in auto-reset overload protector. Features 15″ cone woofer; 4″ cone midrange; 3″ cone tweeter; 175 W max power; imp 8 ohms; sens 92 dB/W/m; FR 29-22,000 Hz; walnut grain vinyl finish. 32 x 17.5 x 13 in; 37 lb . $150/pr

S-61UE 3-Way Speaker

3-way acoustic-suspension speaker. Features 12″ cone woofer; 4″ cone midrange; 3″ cone tweeter; 175 W max power; imp 8 ohms; sens 91 dB W/m; FR 32-22,000 Hz; crossovers at 3,500 and 9,000 Hz; walnut grain finish. 30 x 14 x 11 in; 29.5 lb $140/pr

SCOTT

All Scott speakers use acoustic-suspension enclosures with PVA-coated woofers and constant-impedance crossover networks.

S12T6 Multidirectional Speaker

Floor-standing 3-way 6-driver speaker with 12″ woofer, 2 4.5″ ferrofluid-cooled midranges (1 front, 1 top), 3 1.75″ ferrofluid-cooled tweeters (1 front, 2 top); oak vinyl finish. FR 42-20,000 ±4 dB; power range 15-175 W rms; sens 92 dB SPL/W/m; 16.5 x 31.2 x 10.7 in $500/pr

S10T5. Similar to S12T6 except 10″ woofer, 5 drivers, max power 150 W $400/pr

S153 Floor-Standing 3-Way Speaker

15″ woofer, 4.5″ ferrofluid-cooled midrange, 1.75″ ferrofluid-cooled tweeter. FR 40-20,000 Hz ±4 dB; power range 15-175 W rms; sens 91 dB SPL/W/m; 18.75 x 33 x 11 in; 45 lb $400/pr

S123. As above except 12″ woofer and max power 150 W $330/pr

Audiophile One 2-Way Speaker

Bookshelf speaker with 3-way binding posts; passive tweeter protection; air-core crossover coils; 6.5″ woofer; 1″ textile soft-dome tweeter. FR 55-22,000 Hz ±4 dB; power range 15-150 W rms; sens 90 dB SPL/W/m; imp 4 ohms. Oak vinyl finish. 9.2 x 14.75 x 7.12 in $300/pr

10.3 3-Way Bookshelf Speaker

10″ woofer; ferrofluid-cooled 4.5″ midrange; 1.75″ center-mounted ferrofluid-cooled tweeter; hickory vinyl finish. FR 45-20,000 ±4 dB; power range 10-100 W rms; sens 92 dB SPL/W/m; imp 8 ohms; 12.5 x 23.25 x 9 in $260/pr

8.2 2-Way Bookshelf Speaker

8″ woofer; 1.75″ ferrofluid-cooled tweeter; hickory vinyl finish. FR 55-20,000 Hz ±4 dB; power range 5-85 W rms; sens 92 dB SPL/W/m; 10 x 18 x 7.5 in $160/pr

6.2. Similar to 8.2 except 6.5″ woofer and max power 70 W. 9 x 15 x 7.5 in $140/pr

SP38 3-Way Speaker

Features 8″ woofer; 2″ midrange; 2″ tweeter; FR 50-19,000 Hz; 75 W max power handling. 11 x 21.25 x 8.5 in; 14 lb. $140/pr

SP28 2-Way Speaker

Features 8″ woofer; 3″ tweeter; FR 50-19,00 Hz; 40 W max power handling. 11 x 18 x 8.75 in; 14.5 lb$120/pr

SDM BY SOUND DYNAMICS

All speakers are bass reflex, with 5″ cone midrange, 1″ horn tweeter, crossovers at 2,000 and 5,000 Hz, nominal impedance of 8 ohms, minimum impedance of 4 ohms, in walnut or black vinyl with black knit grilles.

Monitor Three Speaker

12″ woofer. FR 25-22,000 Hz ±3 dB; sens 98 dB SPL/W/m; power range 15-125 W; 26 x 15 x 12-in; 33 lb each. $500/pr

Monitor Two Speaker

10″ woofer. FR 30-22,000 Hz ±3 dB; sens 97 dB SPL/W/m; power range 10-112 W; 24 x 14 x 9-in; 29 lb each. $400/pr

Monitor One Speaker

8″ woofer. FR 35-22,000 Hz ±3 dB; sens 96 dB SPL/W/m; power range 10-100 W; 23 x 12 x 9-in; 29 lb ea. $330/pr

SEATTLE SOUND

P.S. 1 Biamplified Speaker System

Biamplified satellite/subwoofer system in self-contained high-density fiberboard enclosure. Features 4-subenclosure design; 4th-order Linkwitz-Reilly-type crossover at 150 Hz and 100-W amplifier for satellites which include one 6½″ polypropylene cone woofer and one ¾″ ferrofluid-cooled polyamide soft-dome tweeter; 2 separated subwoofer enclosures. Frequency response 20-20,000 Hz; THD <0.05%. 39 x 13.5 x 16.5 in . . . . . $1,250 ea

M Series

All M series speakers incorporate narrow, time-aligned front boards, propylene drivers, aluminum voice-coil bobbins, ferrofluid-cooled polyamide-dome tweeters, high-density enclosures, 3rd-order crossovers, heavy-duty 5-way binding posts, and 4th-order tuned-port enclosures. They are available with black oak vinyl, real walnut veneer, and high-gloss finishes. All prices given are with black oak vinyl finishes.

M5

Features 8″ subwoofer; 6½″ woofer; 1″ tweeter; nom imp 8 ohms; sens 93 dB; FR 34-21,000 Hz; crossovers at 180 and 2,500 Hz; 175 W max power handling. 31 x 11 x 13 in; 47 lb . . . . . $359 ea

M4

Features 8″ woofer; ¾″ tweeter; nom imp 8 ohms; sens 92 dB; FR 36-21,000 Hz; crossover at 2,500 Hz; 100 W max power handling. 28.25 x 10 x 12 in; 39 lb . . . . . $359 ea

M3

Features 6.5″ woofer; ¾″ tweeter; nom imp 8 ohms; sens 91 dB; FR 42-21,000 Hz; crossover at 2,500 Hz; 100 W max power handling. 20.5 x 8 x 10 in; 23 lb . . . . . $179 ea

M2

Features 5¼″ woofer; ¾″ tweeter; nom imp 8 ohms; sens 89 dB; frequency response 50-21,000 Hz; crossover at 2,500 Hz; 75 W max power handling. 13 x 7 x 8.5 in; 13 lb. . . . . $119 ea

C.I. Series

C.I.4

Custom-installed, free-standing speaker. Features 8″ woofer; ¾″ tweeter; nom imp 8 ohms; sens 92 dB; frequency response 36-21,000 Hz; crossover at 2,500 Hz; 3rd-order symmetrical crossover; 4th-order tuned-port enclosure; 100 W max power handling. 22 x 14 x 9 in. . . . . $250 ea

C.I.3

Custom-installed, free-standing speaker. Features 6½″ woofer; ¾″ tweeter; nom imp 8 ohms; sens 91 dB; FR 42-21,000 Hz; crossover at 2,500 Hz; 3rd-order symmetrical crossover; 4th-order tuned-port enclosure; 100 W max power handling. 22 x 10.25 x 7 in. . . . . $200 ea

C.I.2

Custom-installed, free-standing speaker. Features 5¼″ woofer; ¾″ tweeter; nom imp 8 ohms; sens 89 dB; frequency response 50-21,000 Hz; crossover at 2,500 Hz; 3rd-order symmetrical crossover; 4th-order tuned-port enclosure; 75 W max power handling. 15 x 14 x 3.5 in. . . . . $150 ea

SHAHINIAN ACOUSTICS

Diapason Module Speaker

Assymetric prism with unequal rakes in each direction made of 13-ply Finland birch. Features 4 x 5.25 in curved poly cone rubber-edge drivers; 1″ alumi-

num voice coil; 20 oz ceramic magnet; tweeters 6 x 10 mm W-shaped titanium domes; FR 125-22,000 Hz −3 dB; power handling est 250 W ave; 2 optional input filter choices or direct by-pass for bi-amp use filters; 2 optional roll off filters to facilitate exact matching or by-pass; teased lamb's wool damping; brown, black beige, bone, double knit polyester grill options; 40 lb $4,000/pr

Obelisk 3-Way Speaker
Folded double-prism 50″ hybrid transmission line speaker with 8″ asymmetrically placed high temperature voice coil poly woofer, 10″ mass-loaded-membrane viscous damped polypropylene passive radiator, two 1.36″ cambric ultra light exposed dome midranges, four 0.36″ "W" shaped polymid-dome tweeters. Imp 4 ohms nominal; min power 50 W; max power 500 W. Walnut and oak standard finishes. Optional finishes available. 29 x 14.5 x 12.5 in; 55 lb $1,750/pr

ARC 3-Way Speaker
Verical transmission-line speaker with time-aligned phase-correct driver placement. 8″ high temperature voice coil polylpropylene woofer; 10″ mass-loaded-membrane viscous damped passive radiator; 1.36″ cambric ultra-light exposed dome tweeter; imp 4 ohms nominal; min power 30 W; max power 350 W; Natural, medium or dark oak finish on 0.75″ fiberboard. 27.5 x 14 x 9.75 in; 42 lb $1,050/pr

LYRE 3-Way Speaker
Lamb's wool filled plastic isolation chamber for 5.25″ Poly/Hybrid curved cone midrange. 8″ Poly/Hybrid curved textured cone woofer with 1.5″ Hi-temp voice coil; 1″ Polyamide dome tweeter; 10″ passive radiator. FR 30-18,00 Hz −3 dB. Dark or light oak veneer; 23.50 x 11.75 x 11.75 in; 43 lb $850/pr

ELF 2-Way Speaker
Forward firing small monitor with tuned-damped vent enclosure. 5.25″ polypropylene woofer with rubber edge; 1″ polypropylene-dome tweeter. FR 55-18,000 Hz −3 dB; imp 6 ohms nominal; min power 25 W; max power 150 W. Natural medium or dark oak finish. 12.5 x 6.62 x 7.75 in; 26 lb/pr. . $375/pr

Subwoofers

Double Eagle Stereo Subwoofer
Stereo subwoofer in one enclosure with acoustically separated channels. Two 8″ polypropylene rubber-edged high-temperature voice coil woofers; two 10″ mass-loaded-membrane viscous damped polypropylene passive radiators. FR 26-1,0000 Hz −3 dB; crossover 18 dB built in at 140 Hz; imp 6 ohms nominal/ch; max power short duration peaks 1,000 W. Walnut finish on Finland birch. Optional finishes available. 30 x 23 x 14 in; 105 lb $850/ea

SIGNET

SL-100 Definitive Image Speaker
Floor-standing bass-reflex speaker with Ferralipse, a wide-dispersion frequency invariant acoustic lens to provide dispersion greater than 120 degrees at 20,000 Hz. Phase coherent for better imaging. Features 10″ long-throw cone woofer; 3″ soft-dome midrange; two 1″ soft-dome tweeters. FR 40-20,000 Hz ±3 dB; min power 25 W/rms; max power 200 W/rms; sens 90 dB spl/W/m; imp 8 ohms. 12.68 x 35.83 x 15.81 in; 66 lb $1,650/pr

SNELL ACOUSTICS

Type A-III-Improved 4-Way Speaker
Floor-standing acoustic-suspension speaker with curved baffle to eliminate diffraction, mechanically isolated midrange enclosure, floor-loaded woofer, and rear-loaded supertweeter for accurate room response. Hand-adjustment of crossover values for specific drivers assures acoustic performance virtually identical to reference speaker. Features 12″ high-power long-excursion mass-loaded mechanically-isolated cone woofer; 5″ mechanically-isolated cone midrange; 1″ individually adjusted controlled-dispersion dome tweeter; 0.75″ low-mass ferrofluid-cooled dome supertweeter. Dual gold-plated inputs allow biwiring or biamping with or without electronic crossover. FR 24-26,000 Hz ±3 dB, 38-18,000 Hz ±1 dB; power range 80-400 W rms; imp 4 ohms. Hand-sanded, hand-rubbed matching oak or walnut veneers. 23.5 x 50.75 x 14 in; 148 lb. Oak .. $4,680/pr
Walnut $4,490/pr

Type C-II 3-Way Speaker
Floor-standing bass reflex speaker system. Features 10″ long-throw woofer; 5″ midrange; 1″ treated-cloth ferrofluid-cooled dome tweeter; .75″ switchable rear tweeter; 4th order 24 dB/octave filters; bi-wirable or bi-ampable; hand-sanded, hand-rubbed matched veneers. FR 34-22,000 Hz ±3 dB; power range 20-200 W. 14.5 x 11.75 x 46 in; 90 lb $1,890/pr

Type E/II 2-Way Speaker
Floor-standing bass-reflex speaker with 8″ polymer-treated woofer, 1″ soft-dome tweeter, and ultra-low-mass 0.75″ ferrofluid-cooled rear-loaded dome supertweeter designed for flat early-arrival of sound and accuracy of listening room response. Hand-adjusted crossover for specific drivers assures acoustic performance virtually identical to reference speaker. Dual gold-plated inputs allow biwiring or biamping. Features rear-loaded port for optimim low-frequency room loading. Hand-sanded, hand-rubbed matching oak or walnut veneers. FR 35-20,000 Hz ±3 dB; imp 8 ohms; sens 93 dB SPL/W/m; power range 15-150 W rms. 33 x 14 x 11 in. Oak $990/pr
Walnut $990/pr

Type Q 2-Way Speaker
Bookshelf speaker designed for stand placement. Each speaker is individually adjusted to match a reference speaker within a fraction of a dB. Features 6.5″ polypropylene cone woofer; 1″ rear-firing textile-dome tweeter and a .75″ rear-firing tweeter; flush grille to eliminate diffraction. Crossover frequency 2,200 Hz. Cabinets are hand-sanded and rubbed in matched pairs with oak or walnut veneer finish. 10.5 x 15.5 x 6.75 ..... $780/pr
Type Q Stand. Speaker stand designed for use with Type Q speakers. Bolts directly to type Q's. Can be mass loaded with sand or lead and incorporate spikes on the bottom. Each stand provides for the bolting of a Type Q speaker directly to the stand. Oak or walnut veneer. 32″ high $120/pr

Type J/II 2-Way Speaker
Bookshelf bass-reflex speaker designed to maximize accuracy of early arrival sound and listening room response. Hand-adjustment of crossover values for specific drivers assures acoustic performance virtually identical to reference speaker. Features 8″ polymer-treated curvalinear cone woofer; 1″ soft-dome tweeter; dual gold-plated inputs for optional biwiring and biamping. Hand-sanded, hand-rubbed oak or walnut veneers. Sens 92 dB SPL/W/m; power range 15-150 W rms; FR 49-22,000 Hz ±2 dB; imp 8 ohms. 23 x 13 x 10 in; 38 lb. Oak $650/pr
Walnut $680/pr
Type J Stand. Speaker stand designed for use with Type J speakers. Can be mass loaded with sand or lead and incorporate spikes on the bottom. Oak or walnut veneer $98/pr

Type K-II 2-Way Speaker
Bookshelf acoustic-suspension speaker with 8″ polypropylene cone woofer and 0.75″ ferrofluid-cooled soft-dome tweeter. Designed for accuracy of both early-arrival sound and listen-room power response. Hand-adjusted crossover values for specific drivers assures acoustic performance virtually identical to reference speaker. Dual inputs for optional biwiring or biamping. Oak, walnut, or black veneers. Imp 8 ohms; sens 90 dB SPL/W/m; power range 10-100 W rms. 18 x 11 x 9 in. Oak or walnut $465/pr
Type K Stand. Speaker stand designed for use with Type K speakers. Can be mass loaded with sand or lead and incorporates spikes on the bottom. Oak or walnut veneer $98/pr

SONOGRAPHE BY CONRAD-JOHNSON

SL 21 Mini-Monitor Satellite Speaker
Vented; 6.5″ polyproylene woofer; 1″ dome tweeter; golden oak cabinet with brown grille. FR 52-20,000 Hz ±2 dB; power range 10-80 W; sens 90 dB SPL/W/m; imp 8 ohms; 14.5 x 10.5 x 10.5-in$695/pr

SW 1000 Stereo Subwoofer
2 side-firing magnetically shielded 10″ woofers in golden oak cabinet. FR 25-110 Hz ±2 dB; power range 10-200 W; sens 90 dB SPL/W/m; imp 8 ohms; 19.5 x 36 x 18-in. $849/ea
SW 500. Same as SW 1000 except mono, with single 10″ woofer; 19.5 x 18 x 18-in. $595/ea

SONY

APM-66ES 3-Way Speaker
Bass-reflex speaker with APM (Accurate Pistonic Motion) driver technology that incorporates a light, rigid, flat-diaphragm design. Features 66 sq-in APM woofer; 7.4 sq-in APM midrange; 1.4 sq-in APM tweeter; built-in circuit breaker for tweeter protection; heavy-duty cabinet construction with rounded edges. Includes speaker cord. FR 30-30,000 Hz; sens 89 dB SPL/W/m; power capacity 100 W nominal, 200 W peak; nominal imp 6 ohms; crossover frequencies 600 and 4,500 Hz. 15 x 26 x 14.38 in $1,100/pr

APM-22ES 2-Way Speaker
Bass-reflex speaker with APM (Accurate Pistonic Motion) driver technology that incorporates a light, rigid, flat-diaphragm deisgn. Features 45 sq-in APM woofer; 1.4 sq-in APM tweeter; built-in circuit breaker for tweeter protection; heavy-duty cabinet construction with rounded edges. Includes speaker cord. FR 40-20,000 Hz; sens 88 dB SPL/W/m; power capacity 80 W nominal, 160 W peak; nominal imp 6 ohms; crossover frequency 2,000 Hz. 11.5 x 20.38 x 12.62 in $500/pr

SA-W30 Powered Subwoofer
Powered bass-reflex subwoofer with turn over frequency selector. Features built-in 60-W amplifier; 12″ woofer; selectable operating frequencies of 60, 90, and 140 Hz; level control; removable castors. Sens 88 dB; FR 23-5,000 Hz; damping factor 100. 19.5 x 19 x 15.63 in $450

SOTA INDUSTRIES

Panorama 2-Way Monitor
Time-Domain speaker with bass extension of 45 Hz ±3 dB. Features truncated pyramid enclosure; 7″ woofer; 1″ hard-dome tweeter; 1.25″ walls; hard/soft structural damping on woofers; FR 45-22,000 Hz ±3 dB; max power handling 150 W/ch; nom imp 6 ohms; sens 90 dB; crossover at 3,200 Hz; 12 x 18 x 6 in; 35 lb.
Oak or cherry $1,495
Brazilian rosewood, ebony $1,795
Black $1,695

SOUND DYNAMICS

1500 Concert Monitor
Computer-tuned 2-way bass-reflex, mirror-imaged pairs with matched parts. 1″ horn-loaded soft-dome tweeter with free-floating dome suspension; 15″ woofer with high-gauss linear forced motor and epoxy potting. FR 25-22,000 Hz ±3 dB; sens 102 dB SPL/W/m; min power 20 W; max power 250 W; imp 8 ohms. 34.75 x 18 x 16-in; 90 lb $1,000/pr

700 Concert Monitor
Computer-tuned 2-way bass-reflex mirror-imaged pairs. 1″ horn-loaded tweeter with free-floating

suspension; 12″ woofer with high-gauss linear forced motor and epoxy potting. FR 30-22,000 Hz ±3 dB; sens 101 dB SPL/W/m; min power 15 W; max power 200 W; imp 8 ohms. 27.75 x 14.36 x 12-in; 45 lb ea; black ash vinyl veneer $750/pr

500 Concert Monitor
Computer-tuned 2-way bass-reflex mirror-imaged pairs with matched parts. 1″ horn-loaded soft-dome tweeter with free-floating suspension; 10″ high-gauss plastic-coated woofer. FR 34-23,000 Hz ±3 dB; sens 98.5 dB SPL /W/m; min power 10 W; max power 200 W; imp 8 ohms. 23.36 x 12.12 x 11.88-in; 38 lbs each; black ash vinyl veneer; $550/pr

100S Mk II Bookshelf Speaker
Bass reflex speaker with 6.5″ polypropylene cone woofer and 1″ dome tweeter. FR 50-20,000 Hz ±3 dB; power range 10-7- W rms; sens 93 dB SPL/W/m; imp 8 ohms; black ash vinyl veneer; 15.9 x 9.5 x 9.5-in; 20 lb $260/pr

SPEAKERLAB

DAS Series Speakers
All DAS speakers are available in ebony, walnut, light oak, or high-gloss lacquer finishes.

DAS-8. Floor-placement speaker with Inverse Axis Alignment (IAA); computer-designed rear vent, and rear-mounted subwoofer. Features one 10″ and one 12″ woofer; 1″ dome tweeter; one 6.5″ cone and one 3″ dome midrange. Crossover 150, 350, 1,500, 5,000 Hz; sens 94 dB SPL/W/m; imp 4 ohms; FR 23-21,000 Hz ±3 dB; power range 20-300 W rms/ch. 46 x 16 x 13 in $1,998/pr
DAS-7. Floor-placement speaker with IAA, computer-designed rear vent, and rear-mounted subwoofer. Features 10″ and 12″ woofers; 1″ dome tweeter; 6.5″ cone midrange. Crossover 180, 350, 3,000 Hz; sens 94 dB SPL/W/m; impedance 4 ohms; FR 25-21,000 Hz ±3 dB; power range 20-275 W rms/ch. 38.5 x 14 x 16 in; 86 lb. $1,198/pr
DAS-6. Floor-placement speaker with IAA, computer-designed rear vent, and rear-mounted subwoofer. Features one 8″ and one 10″ woofer; 1″ dome tweeter. Crossover 180, 2,500 Hz; sens 94 dB SPL/W/m; imp 4 ohms; FR 30-21,000 Hz ±3 dB; power range 20-275 W rms/ch. 36 x 12.5 x 14 in; 62 lb $958/pr
DAS-5. Bookshelf or floor-placement speaker with IAA, computer-designed rear vent, and rear mounted subwoofer. Features one 8″ and one 6.5″ woofer; 1″ dome tweeter. Crossover 180, 2,500 Hz; sens 93 dB SPL/W/m; imp 4 ohms; FR 34-21,000 Hz ±3 dB; power range 20-175 W rms/ch. 31 x 11 x 13 in; 47 lb $718/pr
DAS-4. Bookshelf or floor-placement speaker with IAA and computer-designed rear vent. Features 8″ woofer; .75″ dome tweeter. Crossover 2,500 Hz; sens 92 dB SPL/W/m; imp 4 ohms; FR 36-21,000 Hz ±3 dB; power range 20-100 W rms/ch. 28 x 10 x 12 in; 39 lb $478/pr
DAS-3. Bookshelf or floor-placement speaker with IAA and computer-designed rear vent. Features 8″ woofer; .75″ dome tweeter. Crossover 2,500 Hz; sens 91 dB SPL/W/m; imp 4 ohms; FR 42-21,000 Hz ±3 dB; max power 100 W. 21 x 8 x 10 in $358/pr
DAS-2. Bookshelf or floor-placement speaker with IAA and computer-designed rear vent. Features 5.25″ woofer; .75″ dome tweeter. Crossover 2,500 Hz; sens 91 dB SPL/W/m; imp 8 ohms; FR 50-21,000 Hz ±3 dB; max power 75 W. 13 x 7 x 8.5 in $238/pr

DAS-SW Subwoofer
Features computer-designed rear vent; 10″ dual-voice-coil woofer. Crossover 150 Hz; sens 92 dB SPL/W/m; imp 8 ohms; FR 30-160 Hz ±3 dB; power range 20-150 W rms/ch. 18 x 18 x 18 in; 62 lb$389 ea

SPECTRUM LOUDSPEAKERS

Model 410 2-Way Speaker
Floor-standing Thiele-aligned bass-reflex speaker. Features plastic-impregnated 10″ composite matrix cone woofer; 1″ dome tweeter with acoustic imp transformer; FR 18-22,000 Hz; min power 30 W rms; max power 250 W; sens 89 dB SPL/W/m; natural oak or walnut. 38.5 x 14.5 x 11.75 in. $799/pr

208B Stand-Mount Speaker
Thiele-aligned bass-reflex speaker designed for floor placement on special stands. Features 8″ cone woofer; 1″ fabric soft dome; finished in walnut vinyl; power range 20-150 W; FR 38-20,000 Hz ±2 dB; sens 91 dB SPL/W/m. 25.5 x 14.5 x 10.5 in $449/pr
Black 208B. Black grain vinyl. $449/pr
Oak 208B. Oak veneer $549/pr
Black lacquered stands $59/pr

New 108A Bookshelf Speaker
Theile-optimized bass-reflex speaker. Features 8″ cone woofer; 1.5″ cone tweeter with aluminum dome; FR 55-20,000 Hz ±3 dB; sens 92 dB SPL/W/m; imp 8 ohms; furniture-grade walnut-vinyl finish. 14.5 x 11.5 x 9.0 in; 30 lb/pr $269/pr
Black 108A. Black grain vinyl. $269/pr
Oak 108A. Oak veneer $339/pr

SPICA

Angelus Floor Standing Speaker
Mirror imaged speaker system with 8″ plastic cone bass/mid driver, 1″ soft dome tweeter, computer optimized crossover, built in adjustable spikes. FR 45-17,500 Hz ±3 dB (90-15,000 Hz ±1.5 dB); crossover 3,400 Hz (−6 dB); recommended power 50-200 W; imp 8 ohms: 21 x 46 x 10.25 in; 57 lb; Walnut finish $1,095/pr
Oak finish $1,050/pr

TC-50 Bookshelf Speaker
Acoustic-suspension bookshelf speaker with triangular shape allowing system to be within 15x of absolute phase from 350-5,000 Hz. Features 6″ cone woofer, 1″ dome tweeter. FR 60-16,000 Hz ±3 dB; power range 25-50 W, 100 W peak; sens 83 dB SPL/W/m; imp 4 ohms; 13 x 15.55 x 11.75 in; 21 lb/ea. Oak or walnut veneer $550/pr

SPL

All speakers have dome tweeters, nominal impedance of 8 ohms, with minimum impedance of 6 ohms, in black-ash vinyl with black knit grilles.

4000 Bass-Reflex Speaker
2-10″ woofers; 1″ tweeter; crossover at 2,200 Hz. FR 25-22,000 Hz ±3 dB; sens 98 dB SPLL/W/m; power range 20-150 W; 43 x 13 x 15-in; 65 lb ea . $900/pr

3000 Bass-Reflex Speaker
2-8″ woofers; 1″ tweeter; crossover at 2,200 Hz. FR 30-22,000 Hz ±3 dB; sens 96.6 dB SPL/W/m; power range 15-125 W; 37 x 12 x 15; 52 lb ea.... $700/pr

2000 Passive Radiator Speaker
8″ woofer; 1″ tweeter; crossover at 2,200 Hz. FR 35-22,000 Hz ±3 dB; sens 95 dB SPL/W/m; power range 10-100 W; 33 x 12 x 9-in; 33 lb ea $500/pr

1000 Bass-Reflex Speaker
2-5.25″ woofers; 0.75″ tweeter; crossover at 3,000 Hz. FR 40-20,000 Hz ±3 dB; sens 90 dB SPL/W/m; power range 10-100 W; 21 x 10 x 12-in; 21 lb each $350/pr

SUMO

Samson Bass-Reflex Subwoofer
Floor-standing subwoofer with 15″ composite-cone woofer, 18.62-lb magnet assembly, 4″ edgewound copper voice coil; symmetrical magnetic-field motor structure. Features built-in 1,000-W PWM digital-switching amp. Solid 1″ butcher-block oak top. FR 20-120 Hz ±1 dB: max power 1,000 W; sens 91 dB SPL/W/m; imp 8 ohms. 27.5 x 22 x 18 in. $2,249 ea
Without built-in amp. ..... $749 ea

Opus Two 2-Way Speaker
Floor-standing acoustic-suspension speaker with 6.5″ treated-cone woofer, 1″ composite-dome tweeter with copper-clad aluminum voice coil. Features symmetrical magnetic-filed woofer design with copper-clad pole piece for reduced 2nd-order harmonic distortion; imp-matching conjugate crossover network with extremely low group delay (±0.2 ms from 100-20,000 Hz); solid-oak end caps. FR 42-24,000 Hz +0, −3 dB min power 35 W rms; max power 250 W rms; sens 85 dB SPL/W/m; imp 4 ohms. Oak or piano-finish black. 10.5 x 39 x 5 in; 20 lb $699/pr
Opus Three. Bookshelf version of Opus Two. 10.25 x 17.5 x 9.75 in; 16 lb $649/pr

SYMDEX

Epsilon Floor-Standing Speaker
Sealed-box speaker with modular phase-linear crossovers. Features time-aligned drivers; polpropylene capacitors in crossover; 10″ cone woofer; 6.5″ cone midrange; 1″ soft-dome tweeter. Power range 50-250 W; sens 85 dB SPL/W/m; imp 8 ohms; 13 x 48.5 x 13 in; 110 lb; black cloth with oak or black top plate; computer-matched pairs $2,000/pr

Gamma 2 Way Floor-Standing Speaker
Acoustic suspension speaker with 1″ cambric soft dome tweeter, 6.5″ bextrene sandwhich individually damped woofer. FR 60-20,000 Hz; crossover 1st order, bi-wire capability; High Q air core coils; polypropylene capacitors; noninductive wire wound resistors; 45 lb; 10 x 6 x 39 in; base plate measures 13 x 13 in; computer-matched pairs $1,000/pr

E.L.S.A. 2-Way Speaker
Compact 2-way acoustic suspension speaker. Features 6.5″ midbass driver; 1″ dome tweeter; 1st order crossover with bi-wire capability. 10 x 8 x 16 in; 25 lb. Available in oak or black ash with black grilles; computer-matched pairs $550/pr

SYNTHESIS BY CONRAD-JOHNSON

Reference Speaker System
5-piece system with 2 subwoofer columns (each with 2 10″ woofers), 2 midrange/high-frequency units with 7″ midranges, 1″ dome tweeters, leaf supertweeter; golden oak with radiused solid-hardwood edges; active electronic crossover supplied. FR 22-32,000 Hz ±2 dB; power range 10-250 W; sens 91 dB SPL/W/m; imp 8 ohms; subwoofer columns 69 x 14 x 14 in.; satellites 44 x 10 x 10 in $6,800/system

LM 310 Floor-Standing 3-Way Speaker
10″ woofer; 7″ midrange; 1″ dome tweeter; oak cabinet with radiused solid hardwood edges. FR 25-20,000 Hz ±2 dB; power range 10-200 W; sens 91 dB SPL/W/m; imp 8 ohms; 45.5 x 13.75 x 14.5-in.; 70 lb $3,250/pr

LM 300 Floor-Standing 3-Way Speaker
10″ woofer; 7″ midrange; 1″ dome tweeter; oak finish with cream, brown, or black grille. FR 32-20,000 Hz ±2 dB; power range 10-100 W; sens 91 dB SPL/W/m; imp 8 ohms; 44 x 13.75 x 14.5 in; 70 lb.. $2,450/pr

LM 260 Floor-Standing 2-Way Speaker
Ported; 8″ polypropylene woofer; 1″ dome tweeter; oak cabinet with radiused solid-hardwood edges. FR41-20,000 Hz ±2 dB; power range 10-100 W; sens 91 dB; imp 8 ohms; 39.5 x 12 x 11 in.... $1,695/pr

M 250 Floor-Standing 2-Way Speaker
Ported speaker with 8″ cone woofer and 1″ dome tweeter; oak finish with cream, brown, or black grille. FR42-20,000 Hz ±2 dB; power range 10-80 W; sens 91 dB SPL/W/m; imp 8 ohms. 33.75 x 10.63 x 11.12-in.; 45 ..... $1,185/pr

LM 210 Floor-Standing 2-Way Speaker
Ported speaker with 6.5″ polypropylene woofer; 1″

dome tweeter; oak cabinet with radiused solid-hardwood edges. FR 46-20,000 Hz ±2 dB; power range 10-80 W; sens 90 dB SPL/W/m; imp 8 ohms; 33.5 x 10.5 x 10.5 in. $1,195/pr

TANNOY

Prestige Series

Westminster. Floor-standing dual-concentric speaker with Sync-Source Time Alignment; compound horn enclosure; 15″ cone woofer; 2″ compression-horn tweeter. FR 18-20,000 Hz ±2 dB; max power 200 W; sens 96 dB SPL/W/m; imp 8 ohms. 43 x 59 x 28 in; 253 lb each. Walnut finish $9,495/pr

RHR. Floor-standing dual concentric high-compliance speaker with Sync-Source Time Alignment. Features rear folded horn rectangular exponential section; direct radiating front section; 250 W max power handling; sens 92 dB; nom imp 8 ohms; FR 35-20,000 Hz ±4 dB; hard-wired passive crossover at 1,000 Hz. 48.9 x 27.6 x 22.7 in; 165.3 lb . $8,995/pr

Guy R. Fountain Memory. Floor-standing dual-concentric speaker with Sync- Source Time Alignment; quadruple-ducted-port enclosure; 15″ cone woofer; 2″ compression-horn tweeter. FR 29-20,000 Hz ±3 dB; min power 10 W; max power 200 W; sens 95 dB SPL/W/m; imp 8 ohms. 31 x 43 x 19 in; 136 lb each. Walnut finish $5,995/pr

Edinburgh. Floor-standing dual-concentric speaker with Sync-Source Time alignment; distributed port reflex enclosure; 12″ cone woofer; 2″ compression horn tweeter. FR 30-20,000 Hz ±3 dB; min power 10 W; max power 200 W; sens 92 dB SPL/W/m; imp 8 ohms. 25.5 x 40 x 16.5 in; 97 lb each; walnut finish $4,995/pr

Stirling. Floor-standing dual-concentric speaker with Sync-Source Time Alignment; dual variable-distributed enclosure; 10″ cone woofer; 2″ compression-horn tweeter. FR 35-20,000 Hz ±3 dB; min power 10 W; max power 150 W; sens 93 dB SPL/W/m; imp 8 ohms. 20.5 x 33.5 x 15 in; 48.5 lb each. Walnut finish $3,995/pr

Planet Series

Jupiter S. Floor-standing speaker with 3 drivers. Features twin 8″ woofers and one 1″ tweeter; power range 10-125 W/ch; nom imp 8 ohms; 91 dB SPL/W/m; FR 42-22,000 Hz ±3 dB. 10.25 x 10.7 x 25.6 in; 29.8 lb $899/pr

Mercury Gold II. Tuned-port bookshelf speaker; 8″ woofer, dome tweeter. FR 52-20,000 Hz ±3 dB; power range 25-120 W; sens 93 dB SPL/W/m; imp 8 ohms; 9.75 x 20 x 9 in; 17 lb $850/pr

Mercury S. 2-way speaker with ducted port. Features 10-100 W power range; nom imp 8 ohm; sens 89 dB SPL/W/m; crossover at 3,000 Hz. 9.8 x 8.25 x 19.6 in; 14.1 lb $599/pr

Eclipse. Tuned-port bookshelf speaker; 6.5″ woofer, dome tweeter. FR 53-20,000 Hz ±3 dB; power range 25-100 W; sens 93 dB SPL/W/m; imp 8 ohms; 8 x 12 x 8 in; 9 lb $350/pr

Comet Series

C-10. 2-Way speaker. Features 10″ polycone woofer; 1″ dome tweeter; high-density particle-board cabinet; nom imp 8 ohms; 125 W/ch max power handling; sens 94 dB. 24 x 12 x 11.5 in; 27 lb $499/pr

C-8. 2-Way speaker. Features 8″ polycone woofer; 1″ dome tweeter; high-density particle-board cabinet; nom imp 8 ohms; 100 W/ch max power handling; sens 93 dB. 19 x 10.25 x 9 in; 17.5 lb $399/pr

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 217.

C-6. 2-Way speaker. Features 6½″ polycone woofer; ¾″ dome tweeter; high-density particle-board cabinet; nom imp 8 ohms; 100 W/ch max power handling; sens 90 dB. 11.9 x 8 x 8.5 in; 10 lb $299/pr

TDL

Reference Standard Transmission Line Speakers

Floor-standing, dual transmission-line bass, 6-sided speakers. Feature 2 mid-range units loaded by their own transmission-line; 2 woofers; 2-tweeters mounted symmetrically in-line around the central super-tweeter; 2-sets of input terminals for bass and mid & upper frequencies optional; 4-way crossover at 200 Hz; FR 16-35,000 Hz; imp 4-8 ohms; sens 87 dB/W/m; 1180 x 558 x 496 cm; black w/ polished aluminum trim or brown w/ laminated wood top and solid brass trim. $6,995/pr

Monitor Transmission Line Speakers

Floor-standing, transmission-line speakers. Feature full transmission-line loading around bi-radial woofer; solid polystyrene diaphragm with glass-fibre reinforcing; midrange unit 15 cm doped polymer cone; magnesium alloy metal dome tweeters; chemical dome ferro-fluid controlled super-tweeter; magnets have vented poles; 2-pairs of input terminals for bass frequencies and for mid & high frequencies; 4-way electrical crossover at 300 Hz; FR 18-35,000 Hz; imp 4-8 ohms; sens 87 dB/W/m; 1150 x 300 x 470 cm; Walnut with gold trim and brown grille, or black with silver trim and black grille. $4,595/pr

Studio 3 Transmission Line Speakers

Transmission-line speakers. Feature 2 doped Cobex cone, vented pole woofers; magnesium alloy, suspended metal dome, ferro-fluid tweeter with separate rear chamber; 2-way electrical crossover; FR 24-20,000 Hz; imp 8 ohms; sens 87 dB/W/m; 950 x 300 x 416 cm; walnut or black finish $1,995/pr

Studio 2. Similar to Studio 3 except 1 Cobex cone woofer; FR 20-20,000 Hz; 850 x 270 x 376 cm $1,545/pr

Super Compact Loudspeaker

Reflex system speakers. Feature 20.5 cm doped Cobex cone, vented pole woofer; 2.5 cm magnesium alloy metal dome tweeters with separate rear chamber; 2-way electrical crossover at 3,000 Hz; FR 28-20,000 Hz; imp 8 ohms; sens 87 dB/W/m; 500 x 270 x 312 cm; walnut or black finish $1,095/pr

Compact Loudspeaker. Similar to Super compact loudspeakers except 16.5 cm doped Cobex cone woofers; FR 30-20,000 Hz; sens 86 dB/W/m; 440 x 230 x 287 cm $935/pr

TECHNICS

SB-RX50 Bass-Reflex Bookshelf Speaker

2-way speaker with 9.5″ flat-diaphragm woofer and coaxial 1.12″ flat-diaphragm tweeter. Can be placed upright or sideways without affecting sound quality. FR 30-48,000 Hz at 16 dB below average level; max power 160 W music; sens 87 dB SPL/W/m; imp 6 ohms. Wood finish. 11.89 x 18.92 x 11.09 in; 36.4 lb $1,050/pr

SB-RX30 2-Way Bookshelf Speaker

Bass-reflex speaker with magnetic shielding for placement near TV's. Features 9″ flat-diaphragm woofer and 1.12″ flat-diaphragm coaxial tweeter. FR 44-30,000 Hz at 16 dB below average level; max power 120 W music; sens 88 dB SPL/W/m; imp 6 ohms. Wood finish. 10.56 x 14.97 x 8.97 in; 16.5 lb $490/pr

SB-L96 3-Way Floor-Standing Speaker

Bass-reflex speaker with diffuser-equipped tweeter. Linear-phase design for waveform fidelity. Features 15″ cone woofer; 4″ cone midrange; 2.12″ cone tweeter; aluminum bobbins and heat-resistant voice coils for high power handling; non-resonant fabric dust caps. FR 32-22,000 Hz at 16 dB below average level; max power 200 W music; sens 93 dB SPL/W/m; imp 8 ohms. Simulated woodgrain finish. 17.75 x 31.36 x 12.92 in; 35.9 lb $380/pr

SB-C250 2-Way Compact Speaker

With 7″ crystallized MICA PP-diaphragm cone woofer, 1″ dome tweeter. Max power 100 W music. 9.19 x 14.62 x 8 in $340/pr

SB-L76 3-Way Floor-Standing Speaker

Bass-reflex speaker with 12″ woofer; 4″ midrange; 2.12″ tweeter; aluminum bobbins and heat-resistant voice coils for high power handling; non-resonant-fabric dust caps. FR 33-22,000 Hz at 16 dB below average level; max power 150 W music; sens 92 dB SPL/W/m; imp 8 ohms. Simulated woodgrain finish. 14.19 x 27.16 x 12.84 in; 23.8 lb $280/pr

SB-L56 3-Way Floor-Standing Speaker

Bass-reflex speaker with 10″ cone woofer, 4″ cone midrange, 2.12″ cone tweeter. FR 37-22,000 Hz at 16 dB below average level; max power 120 W music; sens 92 dB SPL/W/m; imp 8 ohms. Simulated woodgrain finish. 12.78 x 25.59 x 10.56 in; 18.7 lb $230/pr

SB-L36 2-Way Floor-Standing Speaker

Bass-reflex speaker with 10″ cone woofer, 2.12″ cone tweeter. FR 42-22,000 Hz at 16 dB below average level; max power 100 W music; sens 92 dB SPL/W/m; imp 8 ohms. Simulated woodgrain finish. 12.78 x 25.16 x 8.97 in; 16.3 lb $160/pr

Micro Series

SB-F2MK2 Mini Honeycomb-Disc Speaker

Sealed-box speaker in die-cast metal enclosure. Internally shielded. Resettable thermal relay protection. Protective metal grilles. Switchable 4/8-ohm imp; tripod mountable. Linear-phase design. Contains 5.5″ honeycomb disc woofer; 1.12″ honeycomb disc tweeter. FR 55-33,000 Hz ±5; max power 100 W music, 50 W DIN; sens 88 dB SPL/W/m; imp 4/8 ohms; metallic; 11 lb; 6.25 x 10.06 x 6.75 in $410/pr

SB-R100 Passive-Radiator Speaker

Ported speaker for wall mounting. Features 3 concentric coaxial honeycomb-disc drivers, outermost of which is a passive radiator, all in the same plane for phase linearity; resettable thermal relay protection; internally shielded; includes wall-mounting kit and flat speaker cables. Contains 10″ (outer diameter) honeycomb-disc passive radiator; honeycomb-disc woofer; 1 honeycomb-disc midrange; 1 honeycomb-disc tweeter. FR 70-25,000 Hz ±5 dB; max power 100 W music, 50 W DIN; sens 87 dB SPL/W/m; imp 8 ohms; available in black; 9.9 lb; 12.36 x 12.36 x 2.5 in $480/pr

SB-F1MK2 Mini Honeycomb-Disc Speaker

Sealed-box speaker in die-cast metal enclosure; Internal shielding; resettable thermal relay protection; protective metal grille; switchable 4/8-ohm imp; tripod mountable; linear-phase design. 4.75″ woofer; 1.12″ tweeter. FR 65-33,000 Hz ±5 dB; max power 80 W music, 40 W DIN; sens 86 dB SPL/W/m; 6.4 lb; 5.25 x 8.5 x 5.36 in. $340/pr

SB-S20 2-way Speaker

2-way acoustic suspension bookshelf speaker. Features 4″ woofer; 1.5″ tweeter; imp 8 ohms . $100/pr

THIEL

CS 3.5 Coherent Source Speaker

Floor-standing electronic-bass-equalized speaker with 10″ cone woofer, 4″ cone midrange, and 1″ dome tweeter. Features complete time coherence by sloping baffle; complete phase coherence by synthesized first-order crossover system; 3-dimensional sculpted anti-diffraction baffle; electronic bass system; magnetic distortion reducing drivers; cast magnesium driver chassis; polypropylene crossover capacitors; 30-mm thick cabinet panels; real wood veneer. FR 23-20,000

Hz ±2 dB; Power range 50-250 W rms; sens 89 dB SPL/W/m; imp 4 ohms. Teak, oak, walnut, black, rosewood finishes. 13 x 42 x 13 in; 75 lb . $2,450/pr

CS 2 Coherent Source Speaker
Floor-standing ported speaker with 8″ cone woofer, 3″ cone midrange, and 1″ dome tweeter. Completely time and phase coherent. Time coherence achieved with sloping baffle; phase coherence achieved with synthesized first-order crossover networks. Features anti-diffraction grille; cast magnesium driver baskets; polypropylene crossover capacitors. FR 38-20,000 Hz ±2 dB; power range 50-250 W; sens 87 dB SPL/W/m; imp 6 ohms. Oak, walnut, black, rosewood, teak finishes. 12 x 39 x 12 in; 62 lb. $1,550/pr

CS1.2 Coherent Source Loudspeaker
Floor-standing system with sloping baffle. Features metal dome tweeter; woofer features cast magnesium chassis; polypropylene diaphragm; sculpted grille; FR 52-18,000 Hz ±2 dB; phase response of min ±10; sens 87 dB/W/m; imp 8 ohm; cabinet constructed with 1″ MFD; heavy internal bracing; finished with Teak, Walnut, Oak, Rosewood, Black laminate; 26.5 x 26.5 x 91.5 cm; 47 lb. $1,090

ULTRALINEAR BY ESS

UL-1530 Speaker
Floor-standing 3-way acoustic-suspension speaker protective circuit and resetting circuit breaker. Features 15″ cone woofer; 4.5″ cone midrange; 2.5″ cone tweeter. FR 40-22,000 Hz ±3 dB; minimum power 10 W rms, max power 125 W rms; sens 92.5 dB SPL/W/m; imp 4 ohms; walnut, grain vinyl finish; 54 lb; 17.75 x 29.75 x 14.5 in $318/pr

UL-1230 Speaker
Floor-standing acoustic-suspension speaker with 12″ cone woofer, 4.5″ cone midrange, and 2.5″ cone tweeter. Features protective circuit with resetting circuit breaker. FR 45-22,000 Hz ±3 dB; minimum power 5 W rms, max power 100 W rms; sens 92.5 dB SPL/W/m; imp 4 ohms; walnut grain vinyl; 29 lb; 14.5 x 26.5 x 10.75 in. $260/pr

UL-1030 Speaker
Floor-standing acoustic-suspension speaker with protective circuit and resetting circuit breaker. Contains 10″ cone woofer; 4.5″ cone midrange; 2.5″ cone tweeter. FR 50-22,000 Hz ±3 dB; minimum power 5 W rms, max power 100 W rms; sens 92.5 dB SPL/W/m; imp 4 ohms; walnut vinyl finish; 29 lb; 14.5 x 26.5 x 10.75 in. $198/pr

UL-208 Speaker
Bookshelf acoustic-suspension speaker 8″ cone woofer and 2.5″ cone tweeter. Features protective circuit with resetting circuit breaker. FR 60-22,000 Hz ±3 dB; minimum power 5 W rms, max power 100 W rms; sens 93 dB SPL/W/m; imp 4 ohms; walnut grain vinyl finish; 18 lb; 10.75 x 18 x 8 in $158/pr

VANDERSTEEN AUDIO

Model 4 5-Way Speaker
Floor-standing dynamically aligned sealed 5-way speaker in cast basket. Features two 12″ cone subwoofers; 8″ cone woofer; 4.5″ cone midrange; 1.12″ dome tweeter; 0.75″ dome supertweeter. FR 26-30,000 Hz ±2 dB; power range 100-200 W; sens 89 dB; imp 4 ohms. 18 x 52 x 17 in. $3,850/pr

Model 2C 4-Way Speaker
Floor-standing 4-way bi-wired speaker. Features 10″ cone subwoofer; 8″ cone woofer; 4.5″ cone midrange; 1″ dome tweeter. FR 29-21,000 Hz ±2 dB; power range 40-150 W; sens 89 dB SPL/W/m; imp 8 ohms. 16 x 36 x 10 in; 60 lb. Oak or walnut $1,125/pr

2W Subwoofer
Floor-standing sealed speaker with three 8″ cone woofers. Features 200-W internal amp; cast basket; crossover. FR 26-80 Hz ±3 dB; sens 82-94 dB SPL/W/m. 18 x 18 x 17 in; 80 lb. Oak or walnut $1,200/ea

Model 1B 2-Way Speaker
Floor-standing ported speaker. Features 8″ cone woofer; 1″ dome tweeter. FR 38-20,000 Hz ±3 dB; power range 20 W; sens 100 dB SPL/W/m; imp 8 ohms. 12 x 36 x 10 in; 50 lb. Oak or walnut $650/pr

VECTOR RESEARCH

All Vector Research speakers feature anti-resonant one-piece woofer baskets; mid- and high-frequency drivers with ferrofluid damping; soft-dome tweeters; bass-reflex design; 8 ohm impedance; light-oak finish.

VSP-124. Features 12″ woofer; 5″ midrange; 1″ tweeter; 12″ passive radiator. Power range 10-250 W; sens 92 dB. 14.5 x 39.25 x 12.5 in. . . . . $250 ea
VSP-123. Features 12″ woofer; 5″ midrange; 1″ tweeter. Power range 10-250 W; sens 92 dB. 14.13 x 27.5 x 11.5 in . . . . . $200 ea
VSP-102. Features 10″ woofer; 1″ tweeter. Power range 10-120 W; sens 90 dB. 13 x 27 x 11 in $150 ea
VSP-82. Features 8″ woofer; 2″ tweeter. Power range 10-50 W; sensitivity 89 dB SPL/W/m. 10.63 x 18.75 x 8.38 in . . . . . $80 ea

VELODYNE ACOUSTICS

ULD-18 Powered Subwoofer
Floor-standing subwoofer with servo-controlled long-throw 18″ driver with 3″ peak-to-peak linear travel; 400-W amplifier; electronic crossover set at 85 Hz; level control to match subwoofer output to satellite speaker output; walnut, oak, or black. FR 15-85 Hz ±3 dB; max undistorted output of 32 Hz 114 dB; cabinet 23 x 31 x 22 in; amp 17 x 3.5 x 11 in $2,595
ULD-15. As ULD-18 but with 15″ driver and 17 x 22 x 18 in cabinet, output capability 109 dB at 32 Hz $1,795

ULD-12 Powered Subwoofer
12″ servo-controlled down-firing driver; 100-W rms Class B amplifier; passive crossover set at 85 Hz; line- or speaker-level connection; subsonic filter −3 dB at 15 Hz; walnut, oak veneer, or black. FR 18-85 Hz ±3 dB; output capability 103 dB; cabinet 16 x 17 x 21 in; controller 8 x 1.5 x 6 in; 32 lb $1,195

Passive Crossover/Bypass
High-pass crossover with bypass capabilities for ULD-18 ULD-15. 7 x 1.5 x 6 in $195

WHARFEDALE

Precision Series
512.2 4-Way Speaker
4-way speaker with tuned-port enclosure. Features two 8″ cone woofers; 4″ cone midrange; ¾″ metal-dome tweeter; FR 30-22,000 Hz ±3 dB; sens 90 dB; crossovers at 1,000 and 5,000 Hz; nom imp 8 ohms; red mahogany finish. 35 x 11 x 11 in; 53.9 lb $950/pr

510.2 3-Way Speaker
3-way speaker with tuned-port enclosure. Features 8″ cone woofer; 4″ cone midrange; ¾″ metal-dome tweeter; FR 35-22,000 Hz ±3 dB; sens 90 dB; crossovers at 1,000 and 5,000 Hz; nom imp 4 ohms; Available with red mahogany finish. 24 x 11 x 11 in; 30.8 lb $700/pr

507.2 2-Way Speaker
2-way speaker with tuned-port enclosure. Features 8″ cone woofer; ¾″ metal-dome tweeter; FR 40-22,000 Hz ±3 dB; sens 90 dB; crossover at 5,000 Hz; nom imp 8 ohms; red mahogany finish. 19 x 9 x 11 in; 22.5 lb $470/pr

504.2 2-Way Speaker
2-way speaker with tuned-port enclosure. Features 4″ cone woofer; ¾″ metal-dome tweeter; FR 48-22,000 Hz ±3 dB; sens 86 dB; crossover at 3,500 Hz; nom imp 8 ohms; red mahogany finish. 11 x 7 x 8 in; 10 lb $330/pr

Delta Series
Delta 90 3-Way Speaker
3-way speaker with tuned-port enclosure. Features 10″ woofer; 4″ cone midrange; ¾″ polymide, soft-dome tweeter; FR 35-20,000 Hz ±3 dB; sens 89 dB; crossovers at 1,000 and 5,000 Hz; nom imp 8 ohms. 27 x 12 x 9 in; 33 lb $700/pr

Delta 70 2-Way Speaker
2-way speaker with tuned-port enclosure. Features 8″ woofer; ¾″ polymide, soft-dome tweeter; FR 35-20,000 Hz ±3 dB; sens 89 dB; crossover at 3,500 Hz; nom imp 8 ohms. 21 x 11 x 8 in; 16.5 lb . . $450/pr

Delta 50 2-Way Speaker
2-way speaker with infinite-baffle design. Features 8″ woofer; ¾″ polymide, soft-dome tweeter; FR 45-20,000 Hz ±3 dB; sens 89 dB; crossover at 5,000 Hz; nom imp 8 ohms. 18 x 10 x 8 in; 13.2 lb . . $350/pr

Delta 30 2-Way Speaker
2-way speaker with tuned-port enclosure. Features 6½″ woofer; ¾″ polymide, soft-dome tweeter; FR 45-20,000 Hz ±3 dB; sens 89 dB; crossover at 5,000 Hz; nom imp 8 ohms. 15 x 8 x 6 in; 8.8 lb $270/pr

Diamond Series
Ritz Diamond Speaker
Tuned-port design speaker with built-in 20-W amplifier. Features 6.5″ woofer; ¾″ polymide, soft-dome tweeter; FR 40-22,000 Hz ±3 dB; sens 90 dB; crossover at 5,000 Hz; imp 8 ohms; black finish. 14 x 9 x 8 in; 17.6 lb. $450/pr

Active Diamond Plus Speaker
Built-in amp with 3rd-generation monolithic devices; on/off switch; volume control; bass-reflex; 4.5″ woofer, 0.75″ tweeter; 5th-order crossover; choice of 6 finishes $350/pr

Diamond III Speaker
2-way speaker with 4.5″ woofer, 0.75″ tweeter, with 5th-order crossover, in choice of 15 finishes. FR 5-20,000 Hz; output 101 dBA DIN; imp 8 ohms; power range 15-100 watts program $300/pr

WOLCOTT AUDIO

MDF Omnisphere Speaker
Floor-standing bass-reflex speaker uses a single point source of sound with a spherical dispersing surface. A vertically aligned tweeter driving the space between opposing and closely spaced 6″ radius sphere and semisphere forms a radial horn which along with 4 quadrant pyramid-mounted woofer/midrange drivers produces single-point-source omnidirectional dispersion. Features four 6.5″ polypropylene-cone, butyl-surround woofers; 28 mm soft-dome tweeter; auto

PRICES LISTED
are manufacturers' suggested retail prices
(also referred to as *list* prices);
actual selling prices are set by individual dealers.
All prices are subject to change without notice.

Back By Popular Demand.

At one time, peregrine falcons nested by the thousands throughout the United States. But with the widespread use of the insecticide DDT in the 1940s and 1950s, the species suffered greatly. In the eastern U.S., the peregrine falcon disappeared entirely.

Now peregrine falcons have made a comeback, thanks to efforts by conservationists.

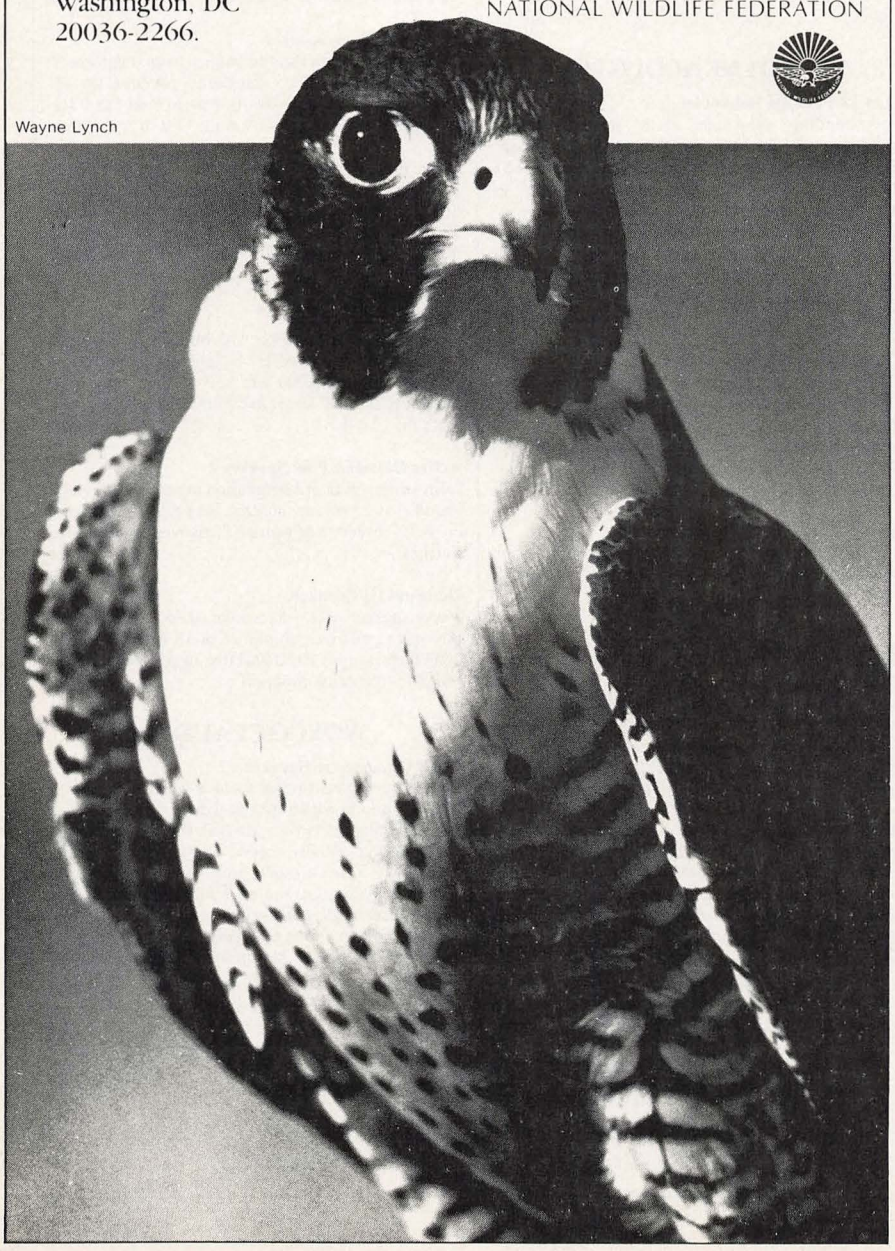
Since 1975 when recovery programs were established, 752 peregrines have been released in the eastern U.S., and there has been a steady increase in the nesting population.

With wise conservation policies, other once rare species such as the American alligator and the bald eagle have also made comebacks.

Help save our endangered species. Join the National Wildlife Federation, 1412 16th Street, NW, Washington, DC 20036-2266.

Working for the Nature of Tomorrow™
NATIONAL WILDLIFE FEDERATION

Wayne Lynch



electronic tweeter protection. FR 30-20,000 Hz ±3 dB; power range 20-250 W rms; sens 90 dB SPL/W/m; imp 6 ohms. Unit on casters with floor-loaded ports. Walnut-veneer finish. 21 (at base) x 50 x 21 (at base); 86 lb $3,750/pr

MDH. Same as MDF except black/grey high-tech finish $2,950/pr

YAMAHA

Monitor Speakers

NS-1000M 3-Way Speaker
Bookshelf speaker with 12″ woofer, 3.5″ Beryllium-dome midrange; 1.12″ tweeter. Features tangential-edge suspension; acoustic-suspension design; acoustic equalizers. Music input power 200 W; sens 90 dB SPL/W/m. 14.75 x 26.62 x 12.89 in; 68.2 lb$1,498/pr

NS-100X 3-Way Speaker
Bookshelf speaker with 9″ pure-carbon-fiber cone woofer, 2.36″ pure-carbon fiber cone with titanium-carbide dome midrange; 1.19″ titanium-carbide dome tweeter. Features field-isolation dual-magnetic system; low-distortion crossover network. Music input power 160 W; sens 91 dB SPL/W/m. 12.25 x 20.88 x 10.88 in; 30.8 lb. $598/pr

NS-20M 3-Way Speaker
Bookshelf speaker with 9″ pure-spruce cone woofer, 1.88″ titanium-carbide semi-dome tweeter; 1.12″ titanium-carbide semi-dome supertweeter. Features resonance-free enclosure with 3-way mitered construction. Music input power 160 W; sens 91 dB SPL/W/m. 10.62 x 16 x 10 in; 20.9 lb $498/pr

NS-10M 2-Way Speaker
Bookshelf speaker with 7″ singlesheet white-cone woofer, 1.36″ soft-dome tweeter, acoustic-suspension enclosure, high-efficiency max-sound-dispersion design. Music input power 100 W; sens 90 dB SPl/W/m. 8.44 x 15 x 7.75 in; 13.2 lb $398/pr

FFT Series

NS-A10.3 3-Way Speaker
3-way speaker with 10″ woofer with mica polypropylene cone and magnesium basket. Features 4.5″ midrange driver; 1″ linear phase soft dome tweeter; crossover with polypropylene capacitors; FFT computer design $518/pr

NS-A10.2 2-Way Speaker
2-way speaker with 10″ woofer with mica polypropylene cone with magnesium basket. Features 1″ linear phase soft dome tweeter; crossover with polypropylene capacitors; FFT computer design..... $418/pr

NS-A8.2 2-Way Speaker
2-way speaker with 8″ woofer with mica polypropylene cone and magnesium basket. Features 1″ linear phase soft dome tweeter; crossover with polypropylene capacitors; FFT computer design..... $338/pr

NS-A7.7 2-Way Speaker
2-way speaker with 7″ woofer with mica polypropylene cone. Features ¾″ linear phase soft dome tweeter; crossover with polypropylene capacitors; FFT computer design $218/pr

Subwoofers

NS-W10 Super Woofer
Super woofer system with 8″ woofer and built-in 60 W/ch amplifier. Features double-magnet magnetic shielding; 2 section enclosure; FR 80-120 Hz; switchable low-pass filter (18 dB/octave); volume control..... $359 ea

NS-W2 Super Woofer
Supplements bass response for any speaker system. Especially useful for compact speakers. Features 10″ woofer; built-in 40-W amp with volume control; magnetic shielding; easy system connection. 17.81 x 14 x 12.36 in; 24.6 lb ..... $289 ea

HEADPHONES



AKG ACOUSTICS

K340 Stereo Headphones
Two-way electrostatic/dynamic headphones with fixed-charge electrostatic transducer/dynamic MC transducer and passive diaphragms in each earcup. Connects directly to headphone jack of receiver or amp or across speaker output terminals. FR 15-25,000 Hz; SPL 117 dB at 0.1% THD; nominal imp 400 ohms; max continuous input 200 mW/ch at 117 dB SPL; includes 10-ft 4-conductor cables with 3-conductor .25″ stereo phone plug; 13.5 oz $235

K280 Circumaural Headphones
Features parabolic-type, dual-transducer design in each earcup; low imp electrical circuit; matches 4-75 ohm outputs. Comes with 9.8 ft cable, standard stereophone plug. 8.8 oz $195

K260 Open Air Headphones
Open air, circumaural stereo headphone with dynamic MC transducers. Matches 4-600 ohm outputs. 10 ft cable; standard stereo plug; 9.2 oz $170

K240 DF Studio Monitor Headphones
Designed with a flat frequency response based on European requirements for reference monitor headphones. FR 20-20,000 Hz ±2 dB; max input 11 V; Matches 4-600 ohm outputs; max SPL 95 dB at <0.3% THD; With 2.5 m cable and standard stereo phone plug; 8.5 oz $150

K240M Free-Field Headphones
Free-field stereo headphones; dynamic MC transducer and 6 passive radiators in each circumaural cup. FR 15-20,000 Hz; imp 600 ohms; max SPL 119 dB at 0.3% THD; supplied with 10-ft 4-conductor cable and .25″ phone plug; 7.9 oz $150

K145S Electrostatic/Dynamic Headphones
Two-way electrostatic/dynamic semi-open headphones. FR 25-24,000 Hz ±3 dB; imp 150 ohms; phone connector; 6 oz, cord 10 ft. long $110

K-141M Monitor Headphones
Semi-open stereo dynamic pro monitoring headphones with MC transducers. FR 20-20,000 Hz; max SPL 120 dB at 0.5% THD, imp matches 4-600 ohms; 10-ft 4-conductor cable and standard 3-conductor stereo phone plug; 6.9 oz $100

K135 Headphones
Semi-open dynamic headphones. FR 25-18,000 Hz ±3 dB; imp 150 ohms; phone connector; 5.6 oz.; cord 10 ft. long $80

K130 Stereo Headphones
Supra-aural stereo headphones with dynamic MC transducers. FR 20-20,000 Hz; max SPL 119 dB; imp 200 ohms at 0.7% THD; 10-ft 4-conductor cable with 3-conductor stereo phone plug; 4 oz $70

K55 Supra-Aural Headphones
CAD/CAM designed supra-aural stereo headphone with wire headband construction. Matches 4-150 ohm ouputs. Comes with 9.8 ft cable; combination standard/mini stereo phone plugs. 3.2 oz $50
K21TV. As above with cable-mounted control box for left/right level adjustment, stereo/mono switch, and dual channel mode for SAP broadcasts. ... $60

K45 Stereo Headphones
Ultra-lightweight supra-aural stereo headphones with dynamic MC transducers. FR 30-18,000 Hz; max SPL 117 dB at 0.9% THD; matches 4-200 ohm outputs; 10-ft 4-conductor cable; combination standard/mini stereo phone plug; 2.7 oz $60

K-2 Mini Headphones
2 MC dynamic transducers; adjustable earcups with washable cushions; matches 4-200 ohm outputs; 9 ft cable; standard/mini stereo phone plug $45

ALPHASONIK

HP-1 Headphones
Walkman-style lightweight headphones with high-efficiency samarium-cobalt magnets $15

AUDIO-TECHNICA

Sound Guard Series
SG750CD. Full-size, closed back headphones with full-range, 40mm, mylar drivers; FR 20-20,000 Hz; .25″ phone plug connector; 4.7 oz $50
SG500CD. Superaural stereophones with oversize earpieces for improved isolation. FR 20-20,000 Hz; mini-connector with .25″ adaptor; 2.0 oz $40
SG450. Ultra-light weight "turbo" stereophones. Bass-vent design; fully adjustable headband; FR 20-20,000 Hz; mini connector with .25″ adaptor; .5 oz $30
SG430. Micro earbuds with full-range drivers; FR 35-20,000 Hz; mini connector with .25″ adaptor and extra earpiece covers; 0.3 oz $25
SG410. Ultra-light mini headphones with polymer dome drivers; FR 40-20,000 Hz; mini connector with .25″ adaptor; 1.0 oz $15

AP1400 Open-Back Headphones
Imp 4-16 ohms; FR 20-22,000 Hz; sens 105 dB SPL/W/m; 0.25″ phone plug; 10 ft cable; 5.5 oz . $60

AP1300 Closed-Back Headphones
Imp 4-16 ohms; FR 20-20,000 Hz; sens 108 dB SPL/W/m; 0.25″ phone plug; 10 ft cable; 5.4 oz . $50

AP1200 Open-Back Headphones
Imp 4-16 ohms; FR 20-20,000 Hz; sens 90 dB SPL/W/m; 0.25″ phone plug; 6 ft cable; 3.3 oz . . $40

AZDEN

DSR-DM90 Digital Monitor Headphones
Features over-sized drivers; samarium cobalt magnets; 16-micron polymer and copper-clad aluminum wire; gold-plated mini plug; gold-plated adaptor plug for standard jacks $100

DSR-50 Open-Air Headphones
Dynamic lightweight headphones with double-dome 40-mm diaphragm made of 16-micron-thick polymer. Features ultra-lightweight copper-clad aluminum-wire voice coils; gold-plated mini plug; gold plated mini to phono plug adaptor; Digital ready. FR 16-25,000 Hz ±3 dB; imp 300 ohms; max power 200 mW; sens 101 dB at 1 mV/ch at 1,000 Hz; 195 g$80

DSR-48 CD Compatible Headphone
Super lightweight version of DSR 50. sens 97 dB SPL/W/m $70

DSR-18 Headphones
Dynamic headphones. Features imp 60 ohm; sens 103 dB SPL/W/m; max input 200 mW; FR 15-22,000 Hz; 3-meter cord; gold-plated mini plug; gold-plated adaptor plug for standard jacks $70

DSR-12 Phone-Plug Headphones
Standard size headphones with extremely lightweight ear units. FR 20-22,000 Hz ±3 dB; imp 200 ohms; sens 105 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; phone connector $60

DSR-88 Micro-Dynamic Headphone
In ear design. Mini to .25″ gold-plated adaptor. Sens 104 dB W/m; dynamic samarium cobalt speaker unit $45

DSR-42 Headphones
Dynamic headphones. Features imp 50 ohms; sens 102 dB SPL/W/m; max input 100 mW; FR 20-20,000 Hz; 2 meter cord; 3.5 mini-plug $40

BANG & OLUFSEN

Form 1 Headphones
Dynamic, semi-open headphones. Features lightweight self-adjusting earpads with tension relief pads to remove pressure from ear. FR 20-20,000 Hz ±3 dB; imp 35 ohms; mini & phone connector ... $120
Form 2 Headphones $60

BEYER DYNAMIC

DT 48A Standard-Reference Headphones
Audiometric-calibration, standard-reference headphones for acoustic measurements. FR 16-20,000 Hz; max power 200 mW; imp 5 ohms $320

DT 48 Headphones
Features removable/replaceable ear cushions and 10-ft coiled cable. FR 16-20,000 Hz ±2 dB; imp 200 ohms; sens 105 dB SPL with 1-mW input at 1,000 Hz; max power 96.8 mW; phone plug; 14 oz without cord $300

DT 109 Headphones with Microphone
Headphones with dynamic boom microphone for use in live and remote broadcasting. Features rugged modular construction, available with straight or coiled 10-ft cord in numerous mic and headphone impedances, comfortable for extended wearing. FR 30- 20,000 Hz ±3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input at 1,000 Hz; max power 1,000 mW; phone plug; 14.5 oz with cord $214

DT 880 Headphones
Semi-open, circumaural headphones with rare-earth magnets. FR 5-25,000 Hz ±3 dB; imp 600 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; phone plug; 10' cord length; 7 oz with cord $159
DT 880 Studio. Studio version of the DT 880 where extremely wide frequency response and long wearing comfort is required. FR 5-35,000 Hz ±3 dB; all other specs same as DT 880 ..... $219

DT 990 Dynamic Headphones
Circumaural stereo headphones with very large, low-mass-diaphragm design. Frequency response equalized to diffuse soundfield method. FR 5-35,000 Hz

±3 dB; imp 600 ohms; max power 100 mW 116 dB SPL; sens 96 dB at 1 mV/ch at 1,000 Hz. Includes 0.25I connector. 8 oz $199

DT 108 Headphones with Microphone
Combination single-muff headphone with dynamic boom microphone for live and remote broadcasting. Features rugged modular construction, straight or coiled cord with numerous mic and headphone impedances, designed for extended wearing. FR 30-20,000 Hz ±3 dB; imp 400 ohms standard; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 1,000 mW; phone plug; cord length 10' coiled or straight; 10.75 oz with cord $182

DT 770 Dynamic Headphones
Circumaural stereo headphones with bass-reflex system to improve accuracy and detail of low frequencies. Closed design isolates ambient noise. Frequency response equalized to diffuse soundfield method. Features very large, low-mass-diaphragm design. FR 15-30,000 Hz ±3 dB; imp 600 ohms; max power 100 mW 116 dB SPL; sens 96 dB at 1 mV/ch at 1,000 Hz. Includes 0.25″ connector. 9 oz $179

DT 100 Montior Headphones
Recording-studio monitor headphones for production and post-production. Features detachable straight or coiled 10' cord; available in numerous impedances, modular construction. FR 30-20,000 Hz ±3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 1,000 mW; phone plug; 12.5 oz with cord $165

DT 96A Multi-Purpose Headphones
Headphones used in interpreting installations at conferences and conventions, listening libraries and language labs. Can be used with or without circumaural ear cushions. Features detachable straight or coiled 10-ft cord. Frequency response 30-17,000 Hz ±3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 360 mW; phone plug; 4 oz without cord $140

DT 550 Lightweight Headphones
Headphones with semi-open, circumaural design. Lightweight, adjustable suspension, 10-ft coiled cord. FR 10-22,000 Hz ±3 dB; imp 600 ohms; sens 95 dB SPL with 1-mW input at 1,000 Hz; max power 100 mW; phone plug; 7 oz without cord $139

DT 220 Headphones
Headphones with extremely lightweight, closed design; wide-band drivers; soft circumaural ear cushions. FR 20-20,000 Hz ±3 dB; imp 400 ohms; sens 102 dB SPL with 1-mW input at 1,000 Hz; max power 100 mW; phone plug; 10 oz without cord $129

DT 102 Single-Muff Headphones
Headphones for broadcast, recording and disco cueing. Features detachable straight or coiled 10-ft cord; available in numerous impedances; modular construction. FR 30-20,000 Hz ±3 dB; imp 400 ohms; sens 94 dB max power 1,000 mW; phone plug; 9 oz without cord $115

DT 330 MK II Semi-Open Headphones
Circumaural headphone with rare-earth magnets. FR 15-18,000 Hz ±3 dB; imp 40 ohms; sens 85 dB; max power 100 mW; phone plug; cord length 10 ft; 6.75 ozs without cord $89

DT 320 MK II Lightweight Headphones
Headphones with semi-open, circumaural design. FR 20-20,000 Hz ±3 dB; imp 40 ohms; sens 88 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; mini-connector; .25″ phone plug adapter; 10' cord length; 3.75 oz without cord $75

DT 325
Designed as a portable tape or CD player headphone. FR20-20,000 Hz; imp 40 ohm; mini-connector with .25″ phone adaptor $65

CALRAD ELECTRONICS

15-115 Lightweight Dynamic Headphones
Transducers designed to eliminate breakup and reduce harmonic distortion and phase differences. FR 20-20,000 Hz ±3 dB; imp 32 ohms; max power 300 mW; sens 98 dB at 1 mV/ch at 1,000 Hz. Includes stereo 0.25″ connector and shielded cable $165

15-139 Stereo Headphones
Super lightweight headphones. FR 30-20,000 Hz; sens 100 dB; matching imp 4-32 ohms; .25″ 3-way stereo plug $39

15-136 Stereo Headphones
General purposed dynamic headphones. Features .25″ stereo plug; FR 20-18,000 Hz; imp 8 ohms; power 0.5 W/ch $18

15-147 Earbuds
Earbud-type headphones. 4-ft cable, .25″ stereo plug $5

CARTER-CRAFT

40-416 Mini Headphones
Dynamic headphones features rare-earth magnets; adjustable headband; 7-ft ultra-light, tangle-resistant cord; super-soft ear pads. FR 20-30,000 Hz ±3 dB; imp 38 ohms. Includes mini and 0.25″ connectors. 1.25 oz $36

40-414 Mini-Stereo Headphones
Mini-stereo headphones with rotary volume/balance controls; 32 ohms; 36 mm Samarium colbalt magnets an mylar cones; max power 100 mW; adjustable foam earpieces; stereo plug with adapter; 2 oz; black . $27

40-411 Mini Headphones
Features rare-earth magnets; adjustable headband; 5-ft cord; super-soft earpads. FR 30-20,000 Hz ±3 dB; imp 32 ohms. Includes mini and 0.25″ connectors. 12 oz $19

40-421 Pick Pocket Headphones
Dynamic, open-air mini headphones with 5-ft cord and foam earpads. Folds up to store in cassette-sized case (included). Mini connector. 10 oz $11

40-417 Mini Headphones
Dynamic, open-air headphones with 5-ft cord and mini connector. FR 20-20,000 Hz ±3 dB; imp 32 ohms. 1.5 oz $11

40-425 Stereo Earphones
In-ear-type headphones feature 6-ft cord and molded strain reliefs. Imp 8 ohms; max power 300 mW. Includes mini connector $8

Replacement Foam Earpads
Replacement earpads for Carter-Craft headphones
40-405. For 40-399 headphones. 2-pair package$2.45
40-407. For 40-417 headphones $1.65/pr
40-409. For 40-411, 40-416 headphones... $2.15/pr

DENON

AH-D6 Open-Air Headphones
Digital-ready headphones with foamed mica flat diaphragm, LC-OFC cables/wiring, and phone connector. FR 15-22,000 Hz ±3 dB; imp 32 ohms; max power 200 mW; sens 98 dB $100
AH-D4. Same as AH-D6 except sens 96 dB ... $80

AH-D3 Headphones
Features high-polymer diaphragm with double-dome construction for improved rigidity and well-damped sound reproduction; LC-OFC voice coil to eliminate distortion; high-energy samarium-cobalt magnet; 1-point cross-support design; OFC cable $60

AH-D1 Headphones
Features high-polymer film diaphragm; copper-clad aluminum wire in voice coil; high-energy samarium-cobalt magnet; 1-point cross-support design; OFC cable $50

FOSTEX

T20 Studio Headphones
Regular-phase system in planar polyester ribbon drivers (diaphragm suspended between opposing-pole magnet assemblies); deposited spiral voice coil; oversize ear pads; adjustable headband; ansiotropic ferrite magnets; diaphragm 1.375″; all parts and assemblies secured by screws. Imp 50 ohms; sens 96 dB with 1 mW; max input 200 mW; max output 119 dB with 200 mW; frequency response 20-30,000 Hz; 10.6 oz $89

INTERNATIONAL COMPONENTS

SHP-600 Dynamic Stereo Headphones
For use with CD players and professional recording equipment. Features samarium cobalt magnets; mylar cone diaphragm $31

SHP-400V Professional Stereo Headphones
Ultra-slim professional stereo headphones feature individual left/right volume controls; FR 20-21,000 Hz; 40 mm mylarcon drivers; max input power .5 W; brushed black aluminum ear-cups; chrome trim; leather padded cushions; adjustable headband; 6-foot coiled cord with .25-inch stereo phone plug; 8 ounces $25

SHP-500 Slim Professional Stereo Headphones
Ultra-slim headphones feature FR 18-22,000 Hz; 40 mm mylarcon drivers; max input power .5 W; 6' coiled cord with .25″ phone plug; 7 oz; brushed black aluminum ear-cups with chrome trim; leather padded cushions and adjustable headband $22

SHP-300 Cobalt Professional Headphones
Folding professional featherlight mini headphones. Feature samarium cobalt drivers; sens 101 dB/W/m; at 1,000 Hz; FR 20-19,900 Hz; imp 4-32 ohms; 3.5 mm stereo plug; .25″ stereo adapter $15

SHP-65 Mini Stereo Headphones
Mini, superlight, headphones feature 13 mm mylar speakers; frequency response 20-20,000 Hz; extra earpads $8

SHP-55 Bandless Bud Stereophones
Open-air, lightweight, bud earphones feature response 20-20 Hz; imp 32 ohm $6

JVC

HAD990 Headphones
Features large-diameter driver units with samarium cobalt magnets $150

HAD770 Headphones
Features high-sensitivity coils made from copper-clad aluminum wire $120

HASU7 Headphones
Surround-sound headphones. Features 2 separate drivers in each earcup; front/rear separation; 2 independent plugs; moving coil $90

HAD550 Headphones
Designed for flat frequency response. Features 24-karat gold-plated plug $45

HACD5 Headphones
Features open-air, super lightweight design; copper-clad aluminum wire voice coils $40

HAD330 Headphones
Designed for flat frequency response. Features 24-karat gold-plated plug $35
HAD110. As above with gold-plating $25

KENWOOD

KH-500 Stereo Headphones
Open-type dynamic headphones with fold-up headband $30

KH-D7 Stereo Headphones
Ultra-lightweight micro headphones with detachable headband 20

KOSS

Pro/450 Stereophone
Studio and professional stereophone featuring unique dual element driver and neodymim magnet. FR 10-30,000 Hz..... $175

JCK/200-S Cordless Headphones



Dynamic circumaural cordless headphones equipped with transmitter and AC adaptor. FR 20-20,000 Hz ±3 dB..... $160

JCK/100 Cordless Headphones
Infrared cordless design. THD <.25% at 100 dB SPL. 3 oz..... $130

SST/10 Headphones
Designed for digital A/V equipment. Sens 0.36 V rms at 100 dB SPL $120

Pro/4AA Stereophone
For home and professional use. Features oversized 1″ voice coil. FR 10-22,000 Hz..... $99

Pro/4X Plus Stereo Headphones
Dual-element design combines rare-earth magnet with piezo-electric element. FR 10-40,000 Hz ±3 dB $90

Pro/4AAA Plus Stereo Headphones
Features extra-large voice coils; oversized diaphragm. FR 10-22,000 Hz ±3 dB $70

SST/7 Headphones
Dynamic circumaural closed stereophone design. Features notch-type headband adjustment; multipivoting earcups; volume balance control on coiled cord. FR 15-30,000 Hz ±3 dB; imp 60 ohms... $70

SST/6 Headphones
Dynamic open-air headphones with temporal-pad design and volume balance control on coiled cord. FR 15-20,000 Hz ±3 db $60

PortaPro Headphones
Supra-aural folding headphones for high-end portable or home use. Features exclusive Comfort Zone multi-pivoting earcup adjustments. Mini plug and .25″ phone plug; cord length 5 ft. 2.5 oz w/cord $50

HV/1A Headphones
High-velocity headphones with low-mass Decilite drivers for 15-30,000 Hz frequency response ±3 dB. Distortion 0.5% at 100 dB SPL; sens 0.9 V rms for 100 dB SPL. Acoustical-sponge ear cushions; extendable headband with self-adjusting pivoting yokes, soft padded vinyl cover; 10-ft cord; 10.1 oz $50

Porta/Pro Jr. Headphones
THD <.2% at 100 dB SPL 1 kHz $40

K40LC Plus Headphones
Features dual balance controls; volume control. Rated at 100 ohms and 104 dB SPL W/m input. $40

SST/5 Headphones
Dynamic headphones with closed circumaural design. Features adjustable leather headband and foam filled ear cushions. FR 20-20,000 Hz ±3 dB ... $40

KSP-II Headphones
Portable, collapsible headphones. Features reticulated foam ear cushion; carrying bag; 2 plugs..... $35

K6X Plus Dynamic Headphones
Lightweight headphones. 100 dB SPL; imp 100 ohms; 6.3 oz..... $32

SST/4 Headphones
FR 20-20,000 Hz ±3 dB; imp 35 ohms; sens 100 dB; 6.3 oz..... $32

KSP Sound Partner Headphones
Featherweight phones for pocket stereo use. Folds into compact size to fit into denim tote bag (supplied); comes with accessory adaptors $25

KPL/4 Headphones
Hear-through headphones for stereo, VCR or TV. Features self-adjusting slide bars; washable cushions; mini-mono adaptor; spare cushions. FR 18-20,000 Hz ±dB; imp 100 ohms; 8-ft cord $25

KPL/3 Headphones
Portable headphones. Features volume and balance controls, screw-on adaptor; spare cushions. FR 20-20,000 Hz ±3 dB; imp 35 ohms, mini connector, phone connector..... $20

KFF/300 Headphones
Blue/yellow lightweight stereophones with dual balance controls, includes headband cover, spare large cushions, and .25″ home adapter. Sens 100 dB; imp 35 ohms; 3 os..... $20

KMP/800 Headphones
Sidewinder earbud design with ultra-thin diaphragm, spare cushions, home adaptor; dist. <1% $18

KFF/200 Headphones
Dynamic open-ear headphones with L-type plug; covered headband; extra cushions; spare adaptor; FR 20-20,000 Hz ±3 dB; sens 100 dB; 2.5 oz $16

KPL/2 Headphones
Features adjustable headband; pivoting earcups; spare cushions; .25″ adaptor. Imp 35 ohms; 2.5 oz$15

KMP/600 Headphones
Detachable headband and sidewinder earbud design. Includes hone adapter. THD <1%;0.75 oz $15

KMP/400 Headphones
Protective carrying case. THD <1%;0.5 oz..... $12

KPL/1 Headphones
Pivoting earcups ultra lightweight, .25″ adapter. 2 oz..... $10

KFF/100 Headphones
Red/blue/yellow lightweight stereophones. Includes .25″ adaptor. Sens 100 dB; imp 35 ohms; 2 oz. . $10

LASER BY SWIRE MAGNETICS

1270-9513 Lightweight Headphones
Replacement stereo headphones packed in clear plastic box..... $5.99

LENOXX

CD-700 Stereo CD Headphones
Feature dynamic Samarium cobalt speaker elements; FR 20-20,000 Hz; .25″ adapter; 2 oz $20

876 Dual-Use Foldable Headphones
Micro in-ear or over-ear headphones. Feature mini-mono plug for TV; .25″ plug; FR 100-15,000 Hz; fully adjustable headband; Alnico alloy magnets $10

884 Lightweight Stereo Headphones
Lightweight headphones feature mylar diaphragms; .25″ adapter; fully adjustable headband; FR 100-15,000 Hz; 4' cord; .75 oz $8

883 Stereo Bud Headphones
In-ear, lightweight headphones. Fit all personal portable stereos; dynamic mylar diaphragms, roll-up storage case; .5 oz..... $8

MEMOREX BY MEMTEK

Sonic-Lite Headphones

SL-88 Deluxe Stereo Earphones
Dynamic wear-in-ear-type headphones with samarium-cobalt magnets. Features contoured shape; gold-plated connectors; mini-connector and mini-to-0.25″ adapter; FR 20-20,000 Hz ±3 dB; imp 16 ohms; max power 30 mW; sens 106 dB at 1 mV/ch at 1,000 Hz. 2 oz..... $15

SL-90 Deluxe Stereo Headphones
Dynamic headphones with samarium-cobalt magnets. Features human-engineered curves and contours; gold-plated connectors; mini-connector and mini-to-0.25″ adapter; FR 20-20,000 Hz ±3 dB; imp 32 ohms; max power 100 mW; sens 100 dB at 1 mV/ch at 1,000 Hz. 0.5 oz..... $15

SL-60 Stereo Headphones
Dynamic lightweight headphones with adjustable headband. Features Super-Soft ear cushions; 45″ cord; mini plug; mini-to-0.25″ adapter; FR 50-18,000 Hz ±3; imp 32 ohms; max power 100 mW; sens 92 dB at 1 mV/ch at 1,000 Hz. 1.75 oz $10

SL-40 Stereo Headphones
Dynamic lightweight headphones with adjustable headband. Features flexible pivot earpiece mounts; 45″ cord; mini plug; mini-to-0.25″ adapter; FR 50-16,000 Hz ±3; imp 32 ohms; max power 50 mW; sens 80 dB at 1 mV/ch at 1,000 Hz. 1.5 oz $5

NADY SYSTEMS

IRH-210 Stereo Headphones
Cordless stereo headphone. Infrared transmission 35 ft range. Separate volume controls for each ear. FR 45-15,000 Hz ±3 dB..... $100

NAKAMICHI

SP-7 Stereo Headphones
Lightweight stereo headphones provide broad, flat frequency response, extended dynamic range, and minimal distortion. Utilizes 25-micron-thick polyester film with 40.5-mm diameter and 18.3-mm voice coil. FR 20-20,000 Hz; imp 45 ohms; max power 100 mW; 3-m cable; standard 0.25″ phone plug $80

ONKYO

DP-L2X Dynamic Headphones
Supra-aural headphones with 28mm tangential-edge diaphragm for improved deep bass response. Special earpad adjusts to individual ear contours. Mini connector and mini-to-0.25″ adaptor included. FR 15-20,000 Hz ±3 dB; imp 30 ohms; max power 100 mW; sens 110 dB at 1 mV/ch at 1,000 Hz. 2 oz..... $44

DP-L1X Dynamic Headphones
Supra-aural lightweight folding headphones with volume control and stereo/mono selector. Mini connector and mini-to-0.25″ adaptor included. Frequency response 20-20,000 Hz ±3 dB; impedance 30 ohms; sensitivity 102 dB at 1 mV/ch at 1,000 Hz. 2 oz..... $40

HEADPHONES

ORA ELECTRONICS

Studio Spec Brand

GHT100 Digital Turbo Earphones
Digital ready for use with portable and home CD players and DAT players. Features gold-plated stereo plug $9

GH16RP Rap Earphones
Lightweight in-ear earphones with case. Available in variety of colors $5

GH111G Stereo Headphones
Lightweight, compact headphones with gold-plated plug and 27-mm ferrite drivers $3.60

PANASONIC

EAH-X250 Digital Monitor Headphone
2-way dual-drive speakers; acoustically-loaded; 42 mm diameter woofer; neodymium magnet; 32 mm tweeter; double ear pad system; FR 2-30,000 Hz; sens 106 dB/mW $169.95

EAH-D8 Lightweight Stereo Headphones
Lightweight stereo headphones compatible with portable CD players. Features mini-jack connection with .25″ stereo jack adaptor; FR 15-25,000 Hz; digital-ready $49.95

EAH-Z70 Dual-Driver Earphones
With tweeter for highs and woofer for lows; gold-plated plug and gold-plated adaptor for full-size phone jacks. Max input 50 mV (123 dB); imp 28 ohms; sens 106 dB SPL/mW; FR 8-25,000 Hz; 4-ft straight cord $49.95

EAH-S35 1.3-Oz Headphones
In black, blue, or red, with adaptor for full-size phone jacks. Digital ready; soft cushion earpads; adjustable headband; frequency response 18-20,000 Hz; 4.9-ft straight cord $24.95

EAH-Z31 0.15-Oz Earphones
In black, pink, red, gray, or white; with case. Compatible with portable CD players; FR 16-22,000 Hz; max input power 50mW; imp 16 ohm; 4-ft straight cord $24.95

EAH-Z28 0.19-Oz Earphones
In black or pink, with case. Digital-ready; compatible with portable CD players; FR 16-20,000 Hz; Sound pressure level 106 dB/mW; 4-ft straight cord $15.95

EAH-Z9 Folding Headphones
Adjustable headband. Max input 40 mV (117 dB); imp 16 ohms; sens 102 dB SPL/mW; 3.6-ft straight cord; 0.7-oz $14.95

EAH-Z6 Stereo Headphone
Inner-ear replacement stereo headphone with storage case. FR 30-20,000 Hz; sens 102 dB/mW at 1,000 Hz; L-shaped plug $12.95

EAH-S18 1.3-Oz Headphones
Adjustable headband; soft ear cushions; adaptor for full-size phone jacks. FR 30-20,000 Hz; 4-ft straight cord $10

EAH-Z17 0.16-Oz Earphones
In black, pink, or blue, with matching cassette-style case. Max input 50 mV (119 dB); imp 26 ohms; sens 102 dB SPL/mW; 3.3-ft straight cord $10

PICKERING

CD-6 Stereo Headphones
Lightweight headphone with dynamic high velocity element with polyester film diaphram and Samarium cobalt magnets. FR 20-20,000 Hz; sens 110 dB W/m; 7.5 ft single side entry cord with gold plated stereo plug and mini stereo adaptor $98

CD-4 Headphones
For digital or analog playback, lightweight. FR 20-20,000 Hz; sens 110 dB W/m. 7.5 ft cord with standard gold plated plug $66

PC2+2
In-ear headphone with dual Samaruim Cobalt Magnet drivers (2 per bud); .25″ gold-plated adaptor plug and roll-up storage-case. Imp 35 ohms at 1,000 Hz; sens 106 dB at 1 mW at 1,000Hz SPL ; FR 10-25,000 Hz; max input 50 mW; 4' cord; weight 12 g ... $60

CD-2 Stereo Headphones
Headphone for digital or analog playback. Samarium Cobalt drivers, lightweight. FR 20-20,000 Hz; 7.5 ft cord with standard stereo plug; Y type 4-conductor cord $50

Featherfone 108 Headphones
Fits directly in ears; volume control. FR 20-20,000 Hz; sens 105 dB; SPL .25v at 1,000 Hz for each channel $45

CD-1 Elliptical Shaped Headphones
Intermediate size elliptical shaped headphone. FR 20-20,000 Hz; sens 105 dB; 7 ft Y cord with gold-plated mini stereo plug and standard stereo adaptor .. $35

OA-99P Featherfone Headphones
Ultralight intra-ear stereo headphones. FR 20-20,000 Hz; sens 105 dB; 5 ft cord with mini stereo plug and mini .25″ stereo adaptor $30

Featherfone 104 Headphones
Designed for in ear wearing. FR 20-20,000 Hz; sens 98 dB $30
Featherfone 102. Similar to above except sens is 92 dB $25

OA-88 Featherfone Headphones
Headphones with convertible Mini-Featherfone for headband or in-ear wear. High-velocity samarium-cobalt drivers; ultra-lightweight adjustable headband with replaceable foam cushions. FR 20-20,000 Hz; distortion <0.5% at 100 dB SPL; imp 32 ohms at 1,000 Hz; sens 98 dB SPL with 1-mW input at 1,000 Hz; max power 0.05 mW; mini stereo plug; 4' cord; .5 oz without cord $25

PC 100
In-Ear Stereo Phone. Features extra pair of ear cushions; .25″ gold plated plug; roll-up storage case; imp 35 ohms at 1,000 Hz; sens 100 dB with 1 mW at 1,000 Hz; FR response 20-20,000 Hz; 4' cord; max input 50mW $20

OA-66P Stereo Headphones
Open-air headphones with strontium-ferrite magnets. Features ultra-lightweight adjustable headband with replaceable polyurethane foam ear cushions. FR 20-20,000 Hz; distortion <0.5%; imp 32 ohms; sens 92 dB SPL with 1-mW input at 1,000 Hz; mini plug; .25″ adaptor plug; 1.1 oz without cord $15

PIONEER

SE-M90 Headphones
Mid-size stereo headphones with 32 ohm nom impedance. Features ceramic titanium diaphragm; 1,000 mW max power input per channel; FR 3-50,000 Hz; 16-ft, 5-inch connection cord; 9 oz $125



SE-M70 Headphones
Stereo headphones with 32 ohm nom impedance. Features ceramic titanium diaphragm; 1,000 mW max power input per channel; FR 3-50,000 Hz; 16-ft, 5-inch connection cord; 9 oz $100

SE-M50 Headphones
Stereo headphones with 32 ohm nom impedance. Features ceramic titanium diaphragm; 1,000 mW max power input per channel; FR 3-50,000 Hz; 16-ft, 5-inch connection cord; 8.1 oz $70

SE-M50D Headphones
Slim-design stereo headphones with 32 ohm nom impedance. Features 1,000 mW max power input per channel; FR 3-50,000 Hz; 8-ft, 2-inch connection cord; 3.2 oz $70

SE-205 Headphone
Rounded-cup style stereo headphones with 10 ohm nom impedance. Features 500 mW max power input per channel; FR 20-20,000 Hz; 8-ft, 2-inch connection cord; 1.0 oz $45

SE-30D Headphones
Slim-design stereo headphones with 40 ohm nom impedance. Features 100 mW max power input per channel; FR 10-25,000 Hz; 8-ft, 2-inch connection cord; 2.5 oz $35

QUASAR

SV406 Headphones
Deluxe headphones with adaptor plug for use with 0.25″ jacks $50

REALISTIC

PRO-60 Acoustic Resistance Headphones
Variable-density ear cushions, 10-ft coiled cord with 0.25″ phone plug. THD <0.5%; <8 oz $50

LV-10 High-Velocity Stereo Headphones
Vented-back headphones with 2″ dynamic elements. THD 0.5%; imp 4-16 ohms; acoustic foam earpieces; soft vinyl-covered headband with self-adjusting yokes; 10-ft coiled cord, 0.25″ plug $40

Nova-65 Adjustable Headphone
Side-mounted controls for volume and balance; vinyl drivers; foam-filled ear cushions; padded headband; 10-ft cord with 0.25″ plug $35

Nova-55 Dynamic Headphones
Samarium-cobalt magnets; mini plug. FR 20-20,000 Hz ±3 dB; imp 3.2-600 ohms; max power 5 V. 3 oz $30

Nova-40 Adjustable Headphones
Stereo headphones with 3.5″ dynamic drivers. Imp 4-16 ohms; soft cushion earcups; padded adjustable headband; 10-ft coiled cord, 0.25″ plug $25

Nova-45 Lightweight Stereo Headphones
0.25″ plug adaptor and rare-earth magnets. Frequency response 20-20,000 Hz ±10 dB; impedance 32 ohms; max power 40 mW; 6.5-feet cord; 3.3 ounces with cord $25

Nova-52 Folding Stereo Headphones
Rare-earth magnets, 6.5-ft cord with 0.12″ mini-plug. 3 oz $20

Micro-in-Ear Stereo Headphones
Stereo headphones designed to slip into outer ear. 0.6 oz $16

Nova-37 Dynamic Headphones
Folding headband; samarium-cobalt magnets; mini plug $16

HEADPHONES

Nova-10 Stereo Headphones
2″ drivers; adjustable vinyl headband with cushioned earpads. 6.5-ft cord, 0.25″ plug $15
Nova-16. Similar to Nova-10 except has separate Glide Path level controls $15

Nova-35 Stereo Headphones
Micro stereo headphones with foam earpads, adjustable headband, 5-ft cord with 0.12″ plug. <3 oz $14

Nova-33 Lightweight Headphones
Portable headphones. 1.25 oz; foam ear cushions; 0.12″ plug; 4-ft cord $10

Nova 36 Lightweight Headphones
Fold-up headphones with foam pads; flexible 4-ft, 2-oz cord with 0.12″ mini plug $7

Nova-34 Lightweight Headphones
Imp 32 ohms; FR 40-20,000 Hz ±3 dB; max power 100 mW; mini plug; 4-ft cord; 3 oz with cord . . . $6

RECOTON

Stereo 108 Headphones
Lightweight, stereo earbuds. Features cassette-shell container. Available in orange, green, blue, pink, yellow, and red $10

RHAPSODY BY ALARON

RY-251 CD Headphones
Samarium cobalt drivers; compact headphone buds; coil-up storage and carrying case; standard stereo jack and mini-plug adaptor. FR 12-24,000 Hz; sens 108 db/m/W; imp 18 ohms at 1 KHz; cord length 4-ft$15

RY-252 CD Headphones
Samarium cobalt; adjustable and folding headband; standard stereo plug and mini-plug adaptor. Frequency response 16-22,000 Hz $15

RY-245 Stereo Headphones
Headphones for use with portable and home stereos includes 0.25″ stereo adaptor plug; 3.5mm mono adaptor plug; 2 extra sets of earpads. $10
RY-242. As above without accessories $5

ROSS MARKS

Caliber Series

RE-2660CD. 40mm samarium cobalt drive unit; FR 15-30,000 Hz; sens 110 dB; 6.5' cord; 5.2 oz . . $130
RE-2650CD. 40mm samarium cobalt drive unit; FR 20-30,000 Hz; sens 110 dB; 6.5' cord; 5.2 oz . . $100
RE-2630CD. 30mm samarium cobalt drive unit; FR 20-25,000 Hz; sens 105 dB; 6.5' cord; 5.2 oz . . . $80

New Generation Series

RE-2580. Samarium cobalt drive units with Mylar diaphrams. Dual filter bass enhancer; dual axis earcup adjustment; 6.6 ft cord with .25″ adaptor; FR 15-22,000 Hz; sens 100 dB; comes with storage case $65
RE-2560CD. Similar to above except FR 20-22,000 Hz $60
RE-2540. Same as 2580 except FR 20-20,000 Hz and sens 96 dB. $50
Stylers. Clip on button type earphone with different color earcup color trims; comes with carrying case$25

Designer Series

RE-2395CD. Samarium cobalt drive units. FR 18-22,000 Hz; sens 110 dB; 6.5 ft cord with .25″ adaptor. $45
RE-2390. Same as above with Mylar drive units$40
RE-2360. Mylar dome drive units 6.5 ft cord; FR 20-20,000 Hz; sens 100 dB; 3.5 oz $35
RE-2330. Same as above except sens 90 dB and weight 4.4oz. $30

Micro-Plus Series

RE-2460CD. Bass enhancer; FR 20-30,000 Hz; sens 110 dB; adaptor included; 4' cord; 1.4 oz. $55
RE-2450CD. Bass enhancer; FR 20-25,000 Hz; sens 104 dB; adaptor included; 4' cord; 1.4 oz. $50
RE-2420. Bass enhancer; FR 20-20,000 Hz; sens 100 dB; adaptor included; 4' cord; 1.4 oz $35

Spectrum Range Series

RE-2285. Designed for TV and video use with approx 16 ft. of cable. Supplied with stereo/mono jack,inline l/r channel volume control; stereo/mono switch. FR 20-20,000 Hz; sens 90 dB; 2.6 oz . . . $30
RE-2280. Same as above without mono/stereo switch and volume control $25
RE-2225. Same as RE-2285 with 6.5 ft. cord. . . $25
RE-2220. Same as 2280 with 6.5 ft. cord and available in red, yellow, or black. $20

Micro Series

Micro series headphones feature ball joint earcups, headband adjustment, foam earpads, letter and Braille channel indication, 4 ft. lead with 3.5 mm right angle jack plug.

RE-2170 CD. Samarium cobalt drive units with gold plated diaphrams. Open back; .25″ adaptor included; FR 15-25,000 Hz; sens 104 dB; 40 gm. $30
RE-2150. Samarium cobalt drive units. Open back; 4-100 ohm imp; sens. .25″ adaptor included; FR 20-20,000 Hz; sens 106 dB; 40 gm $20
RE-2130. Mylar dome drive units. Open back; 4-100 ohm imp; sens. .25″ adaptor included; FR 20-20,000 Hz; sens 106 dB; 40 gm $20
RE-2120. Red, yellow or blue $10

SANSUI

SS-L55 Dynamic Stereo Headphones
Isolation-free dynamic stereo headphones with around-the-ear design and 1.56″ drivers. Imp 100 ohms at 1,000 Hz; FR 20-20,000 Hz; max input power 500 mW; sens 104 dB/mW at 500 Hz; 2-m cord; 4.8 oz without cord $55

SS-L33 Dynamic Stereo Headphones
Isolation-free, around-the-ear stereo headphones with 1.56″ drivers. Imp 60 ohms; FR 20-20,000 Hz; max input power 500 mW; sens 104 dB/mW; 2-m cord; 4.4 oz without cord. $35

MS-33 Dynamic Stereo Headphones
Lightweight on-the-ear mini dynamic stereo headphones fitted with mini stereo plug, with adaptor for use with home audio equipment. Imp 30 ohms; FR 35-20,000 Hz; max input power 100 mW; sens 97 dB/mW; 2.5-m cord; 1.8 oz without cord. $25

SENNHEISER

HD 250 Headphones
Closed cushion headphone with resonance free transmission. FR 16-25,000 Hz $199

HD 540 Reference Headphones
Open-air dynamic headphones with integral acoustical silk dampening diaphragm; Sens 94 dB . . . $199

HDI 2 Wireless Headphones
Stereo headphones with separate transmitter that plugs into headphone jack of any receiver or amp for wireless transmission. Features individual volume controls; rechargeable battery. 2.9 ozs $169
SI 2. Transmitter for wireless transmission . . . $169

HD 430 Headphones
Open-air headphones with circumaural ear cushions that rest around the ear. Features replaceable 10-ft stranded-steel cable with phone plug; adjustable headband. FR 16-20,000 Hz ±3 dB $159

HD 480 Headphones
Open-air design headphones can be used with portables and home equipment. Features neodymium iron magnets; digitally compatible; cushioned headband; 10' steel-stranded cable; .25″ phone adapter; FR 18-22,000 Hz; imp 70 ohm; sens 94 dB; distortion <1%; all components are user replaceable; 4.8 oz $99

HD 450 Digitally Compatible Headphones
Headphone can be used for portable as well as home equipment. Features neodymium iron magnets; 10' stranded-steel cable; .25″ adapter; FR 20-20,000 Hz; imp 70 ohm; sens 94 dB; distortion <1%; components are user replaceable; 4.8 oz $79

HD 50 Mini Headphones
All user replaceable parts. FR 20-20,000 Hz, 4 ft cable w/mini to phone plug adaptor. $79

PD 100 Mini Headphones
All user replaceable parts. FR 20-18,000 Hz, 3-ft cable w/ mini to phone plug adaptor $59

HD 30 Mini Headphones
Digitally compatible headphones with user replaceable parts including ear cushions and cable. Features .25″ stereo phone adapter; 4' cable; FR 50-17,000 Hz; imp 32 ohm; sens 96 dB; distortion 1.3%; 1.5 oz$39

SENTRY INDUSTRIES

SENTW850 Digital Stereo Headphones
Features 7 ft. shielded cord with 3.5mm right angle stereo plug; 6.3mm heavy duty adaptor for home use; single cord design; 40mm samarium cobalt speakers; FR 20-20,000 Hz; sens 105 dB ± 3dB; impedance 32 ohms $26

SENH0780 Dynamic Stereo Headphones
Features rotary volume/balance controls; 6 ft. shielded cord with 3.5mm right angle stereo plug; 6.3mm stereo adaptor screw type included for home use; 34mm samarium cobalt magnet with mylar cone; FR 30-30,000 Hz; sens 97 dB ± 3dB; impedance 28 ohms $19

SENH0680 Dynamic Stereo Headphones
Features 7 ft. shielded cord with 3.5mm stereo plug; 6.3mm heavy duty adaptor included for home use; single wire connection; 27mm samarium cobalt drivers; FR18-20,000 Hz; sens 100 dB ±3 dB; impedance 32 ohms $17

SENH0160 Mini-Stereo Headphones
Features 4 ft. shielded cord with 3.5mm stereo plug; 6.3mm adaptor included for home use; replacement earpads; 27mm drivers; FR 20-20,000 Hz; 92 dB; ± 3 dB; impedance 16 ohms $13

TK44 Circumaural Headphones
Electret-condenser headphones with adaptor box. FR 10-22,500 Hz ±3 dB; imp 4-16 ohms; sens 100 dB at 1 V/ch at 1,000 Hz. $300

EP700 Headphones
Open-air, lightweight headphones. Features CCAW voice coils; cloth earpads; 3 m. OFC cord; FR 20-23,000 Hz; 210 g; $150

EP500 Headphones
Closed-back headphones. Features CCAW voice coils; samarium cobalt magnets; leather-like earpads; 3 m. OFC cord FR20-22,000 Hz; 205 g $125

EP400 Headphone
Bass response, extended high-frequency response, peak-free coverage of entire audible band headphones. Features high-compliance dome diaphragm; self-supporting voice coil of 40 micron silver/copper wire; mesh-covered foam earpads; 3.5 m. cord with 125″ phone plug FR 20-22,000 Hz; 160 g. $100

EP300 Headphones
Lightweight stereophone headphones. Featuring high-polymer film element with CCAW voice coils; samarium cobalt magnets; 3 m. cord; FR 20-20,000 Hz; 170 g. $75

EP100 Headphones
Ultra-lightweight, open-back headphones. Features high-polymer film elements with CCAW voice coils; samarium cobalt magnets; 1.8 m. cord with mini-plug and .25″ phone plug adapter; FR20-20,000 Hz; 48 g. $35

SONY

MDR-CD6 Dynamic Headphones
Supra-aural headphones with sealed-ear design; 30mm dome driver unit; spring-loaded soft-touch eliptical earpads; one-sided cord; independent left/right side click-sliders; stereo Unimatch plug; gold-coated double-layer high-molecule film diaphragm and copper-clad aluminum voice coil. Imp 45 ohms at 1,000 Hz; sens 110 dB/mW; rated power 0.1 W; power handling 0.5 W; FR 2-25,000 Hz; cord length 9.8 ft; 3.9 oz $120
MDR-M66. As above with less bass response.. $95

MDR-V6 Dynamic Headphones
Closed-ear-type monitor headphones with folding-type compact headband; 40mm driver unit; oval earpads; stereo Unimatch plug; OFC litz cord. Imp 63 ohms; sens 106 dB/mW; rated power 0.3 W; power handling 1 W; frequency response 5-30,000 Hz. Includes soft case $100

MDR-V4 Dynamic Headphones
Closed-ear-type monitor headphones with rugged folding headband; 30mm driver unit; one-sided cord; stereo Unimatch plug; OFC litz cord. Imp 45 ohms; sens 104 dB/mW; rated power 0.1 W; power handling capacity 0.5W; frequency response 10-25,000 Hz. Includes case. $80
MDR-V2. Similar in design to MDR-V4..... $50
MDR-V1. Similar in design to MDR-V4..... $30

MDR-S505 Dynamic Headphones
Large-size open-air-type headphones with volume and tone controls; large-size earpads; 30mm dome drive units; one-sided cord; stereo Unimatch plug. Imp 45 ohms; sens 104 dB/mW; rated power 0.04 W; power handling 0.1 W; FR 15-24,000 Hz; cord length 9-ft, 10 in; 2.1 oz $70

MDR-A60 Dynamic Headphones
Verical in-the-ear-type headphones with Sony's Acoustic Turbo-Circuit for power bass and smooth high frequencies; 16mm sapphire driver units; natural-form bio-tech curved headband design with 3-point folding mechanism; OFC litz wire; stereo Unimatch plug. Imp 18 ohms at 1,000 Hz; sens 108 dB/mW; rated power 0.03 W; power handling 0.05 W; frequency response 10-25,000 Hz; cord length 47.2″; 0.7 oz $70

MDR-M33A Dynamic Headphones
Features soft-touch elliptical earpads; one-sided cord; stereo Unimatch plug; 23mm dome driver unit. Imp 25 ohms at 1,000 Hz; sens 100 dB/mW; rated power 0.05 W; power handling 0.1 W; FR 15-14,000 Hz; cord length 9.8 ft; 1.7 oz. $60

MDR-S303 Dynamic Headphones
Large-size open-air-type headphones with large-size earpads; 30mm dome drive units; one-sided cord; stereo Unimatch plug. Imp 45 ohms; sens 104 dB/mW; rated power 0.04 W; power handling 0.1 W; FR 15-22,000 Hz; cord length 9 ft, 10 in; 1.9 oz. $50

MDR-E464 Dynamic Headphones
In-the-ear-type headphones with gold-plated L-shaped mini plug; Sony's Acoustic Turbo-Circuit. Imp 13.5 ohms at 1,000 Hz; sens 104 dB/mW; FR 18-22,000 Hz; cord length 39.38″; 0.17 oz..... $40

MDR-S101 Dynamic Headphones
Large-size open-air-type headphones with 23mm dome driver units; large-size earpads; stereo Unimatch plug adaptor. Impedance 32 ohms; sensitivity 98 dB/mW; rated power 0.04 W; power handling 0.1 W; frequency response 20-20,000 Hz; cord length 6.5 ft; 1.9 oz $30

STANTON

SRS-265 Stereo Headphones
Audiophile/professional headphone with deluxe dynamic driver. Features patented independently suspended earcup design for wearer comfort. FR 5-22,000 Hz; sens 96 dB at 1 mW; imp 100 ohms; max input 100 mW; distortion <0.5% at 1,000 Hz; 0.25″ plug. 8.6 oz $135

SRS-245 Stereo Headphones
Semi-enclosed stereo headphone with deluxe dynamic driver. Features adjustable ratchet-type headband with specially engineered spring suspension; circumaural design. FR 10-22,000 Hz; sens 94 dB at 1 mW; imp 100 ohms; max input 100 mW; distortion <0.5% at 1,000 Hz; 10 ft flat 4-conductor cord with molded 0.25″ plug. 8.6 oz $110

SRS-225 Stereo Headphones
Semi-enclosed stereo headphone with high-velocity moving-coil driver. Features adjustable ratchet-type headband with specially engineered spring suspension; circumaural design. FR 10-22,000 Hz; sens 94 dB at 1 mW; imp 100 ohms; max input 100 mW; distortion <0.5% at 1,000 Hz; 10 ft dual-conductor cord with 0.25″ plug. 8.6 oz..... $80

SRS-215 Stereo Headphones
Semi-enclosed stereo headphone with high-velocity moving-coil driver. Features adjustable ratchet-type headband with specially engineered spring suspension; circumaural design. FR 20-22,000 Hz; sens 98 dB at 1 mW; imp 50 ohms; max input 100 mW; distortion <0.5% at 1,000 Hz; 10 ft dual-conductor cord with mini stereo plug and 0.25″ screw on adaptor. 8.6 oz $60

ST-PRO Stereo Headphones
Features closed-cup design; high-velocity samarium cobalt driver with mylar diaphragm; adjustable headband; soft vinyl isolation cushions. Sensitivity 100 dB with 0.3V input; maximum power input 250 mW/ch; impedance 100 ohms at 1,000 Hz. Includes 7 ft coil cord with molded strain relief and 0.25″ stereo plug $55

35M/HB Dynamic Headphone
Single-cup open-air headphone with headband intended for disco use. Features high-velocity driver; samarium cobalt magnet; 0.25″ connector. FR 20-20,000 Hz ±3 dB; imp 100 ohms; max power 0.25 W; sens 110 dB at 1 mW/ch at 1,000 Hz. 3.8 oz... $55

35M/SR Disco Headphone
Shoulder-rest single-cup headphone designed for DJ use. Features samarium cobalt magnet; soft foam-filled, leather-like ear cushion. FR 20-22,000 Hz; imp 100 ohms; max input 0.25 W; 3.8 oz $50

ST-4 Open-Air Headphones
Features high-velocity samarium cobalt driver with mylar diaphragm; adjustable rachet style headband; soft vinyl isolation cushions. Sensitivity 96 dB with 0.25 V input; max power 250 mW/ch; impedance 60 ohms at 1,000 Hz. Includes 7 ft coil cord with molded strain relief and 0.25″ stereo plug $50

ST-3 Open-Air Headphones
Dynamic full-range stereo headphones with full-isolation cushions, 2″ high-velocity drivers, samarium cobalt magnets, mini to 0.25″ adapter. CD ready. frequency response 20-20,000 Hz <3 dB; impedance 32 ohms; max power 100 mW; sensitivity 112 dB at 1 mW/ch at 1,000 Hz. 5 oz..... $40

ST-2 Lightweight Headphones
CD-ready full-range stereo headphones with 1.5″ high-velocity drivers, adjustable black plastic headband; 7.5-ft Y-type 4-conductor cord, 0.25″ to mini adapter. FR 20-20,000 Hz <3 dB; imp 32 ohms; max power 100 mW; sens 100 dB; 5 oz $30

ST-1 Compact Lightweight Headphones
CD-ready home or portable stereo headphones with 1.36″ high-velocity drivers; adjustable black headband; 7.5-ft Y-type 4-conductor cord, 0.25″ stereo plug; soft black-vinyl-covered foam ear cushions. FR 25-20,000 Hz <3 dB; imp 32 ohms; max power 100 mW; sens 110 dB at 1 mW/ch at 1,000 Hz $25

STAX

SR-Lambda/SRM-1 Mk2 Professional Headphones
Panoramic-imaging professional earspeaker system with Class-A direct-drive amp. Connects to pre-out or record outputs. Frequency response DC-20,000 Hz ±1 dB; impedance 50,000 ohms; sensitivity 102 dB SPL with 1-mW input of 1,000 Hz; minimum power 0.00005 mW; special connector; cord length 7 ft; 15.1 oz with cord $1,200
SRE-16 Extension Cord. Five-meter cord for SR-Lambda..... $100

SR-Lambda/SRD-7 Professional
Panoramic-imaging professional electrostatic earspeaker system with energizing adaptor that connects to amp outputs. Features circumaural design. Frequency response 8-20,000 Hz ±1 dB; impedance 8



ohms; sensitivity 102 dB SPL with 1 W input of 1,000 Hz; max power 10,000 mW; cord lenght 7 ft; 15.1 oz with cord..... $750

SR-Lambda Headphones
Panoramic-imaging electrostatic earspeaker system with energizing adapter. Frequency response 8-35,000 Hz ±2 dB; impedance 8 ohms; sensitivity 102 dB SPL with 1-mW input of 1,000 Hz; maximum power 10,000 mW; special connector; cord length 7 ft; 15.1 oz with cord $500

SR-Gamma Headphones
Circumambient imaging electrostatic earspeakers system with energizing adapter. FR 10-35,000 Hz; max output 109 dB $400

SR-5/NB Headphones
Electrostatic earspeaker system with energizing adapter. FR 25-25,000 Hz ±2 dB; imp 8 ohms; sens 97 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; special connector; cord length 7 ft; 13.9 oz with cord $300

SR-84 Lambda Jr. Headphones
Electret earspeaker system with energizing adapter. FR 20-20,000 Hz ±2 dB; imp 8 ohms; sens 95 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; special connector; cord length 7 ft; 7.5 oz with cord..... $230



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HEADPHONES

SR-34 Headphones
Electret earspeaker headphone system with energizing adapter. Frequency response 25-20,000 Hz ±2 dB; impedance 8 ohms; sensitivity 95 dB SPL with 1-mW input of 1,000 Hz; maximum power 10,000 mW; special plug adaptor; coiled cord length 7 ft; 8 oz with cord $160

Accessories

SRD-P Adaptor for STAX Pro-Headphones
Portable adaptor for Professional Series Electrosttic headphones. To be connected to preamp outputs or directly to output of portable compact disc player or tape player. Operates on batteries or AC power. variable gain control; frequency response 20-25,000 Hz $300

SRD-X Adaptor for Stax Headphones.
Portable adaptor that allows Stax electrostatic and electret earspeakers to be connected to a headphone jack. Operates on batteries or AC power adaptor. Features variable gain control. Frequency response 25-25,000 Hz ±3 dB; max power 0.03 mW... $200

SRE-15/N Extension Cord
5-meter extension cord for all Stax earspeakers. $40

TEAC

HP-402 Stereo Headphones
Deluxe lightweight stereo headphones with soft vinyl foam cushions. Imp 38 ohms; includes 0.25" plug adaptor $35

HP-302 Mini Stereo Headphones
Samarium-cobalt magnet. Impedance 32 ohms; includes 0.25" plug adaptor and 2 extra earpads.. $26

HP-308 Stereo Headphones
Lightweight headphones with 0.25" plug adaptor and 2 extra earpads. Imp 32 ohms..... $25

HP-206 Stereo Headphones
Lightweight headphones with volume control; samarium-cobalt magnet; 0.25" plug adaptor; 2 extra earpads. Imp 32 ohms $22

HP-202W Stereo Headphones
Lightweight headphones with 0.25" plug adaptor and 2 extra earpads. Imp 32 ohms. White..... $18
HP-202B. Blue..... $18
HP-202R. Red $18

HP-102 Stereo Headphones
Imp 32 ohms $13

TECHNICS

EAH-X15 Compact Headphones
Features flat-disc diaphragm; copper-clad voice coils; samarium cobalt magnets; stereo mini-plug; standard stereo headphone adaptor $100

EAH-T6 Lightweight Headphones
Compact headphones with stereo mini plug and standard stereo headphone plug adapter. FR 20-20,000 Hz ±3 dB; imp 40 ohms at 1,000 Hz; max power 100 mW; 1.25 oz..... $40

UHER

W765A Stereo Headphones
Dynamic stereo headphones. FR 16-20,000 Hz; SPL 94 dB; imp 600 ohms; nominal loading capacity 200 mW; distortion 1.0%; automatic strap adjustment; gimballed earcups; 330 g $92

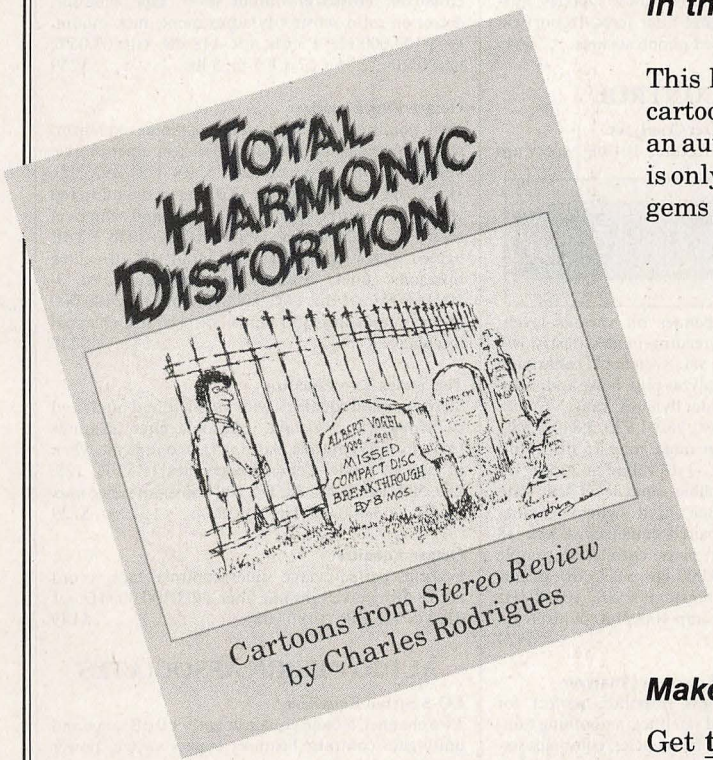
W 766A Dynamic Headphones
Lightweight (2.2 oz) mono/stereo headphones with 8-ft coiled cord. FR 20-20,000 Hz; imp 200 ohms at 1,000 Hz; lightweight adjustable headband $92

YAMAHA

YHD-1 Foldable Headphones
Orthodynamic headphones. FR 20-20,000 Hz ±3 dB; imp 125 ohms; max power 1,000 mW; 100 dB/mW (109 dB/V); mini connector; phone connector.. $80
YHD-2. Similar to YHD-1 except with 99 dB/V $60
YHD-3. Similar to YHD-1 except with 97-dB output..... $30

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 217.

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The funniest Rodrigues cartoons from Stereo Review have finally been collected in the audio/video book of the year!

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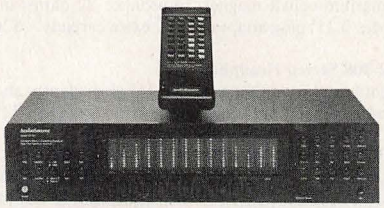
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SIGNAL PROCESSORS



ACCUPHASE BY MADRIGAL

G-18 33-Band Graphic Equalizer
Third-octave stereo graphic equalizer with separate power supply for each ch; fully balanced inputs and outputs; 66 individual filter amps, each with discrete components and operating with constant Q throughout their range of 4.3; champagne-gold or black-anodized finish. S/N 110 dB $3,850

F15L Electronic Crossover
For stereo bi- or triamplification; plug-in boards select crossover frequencies and slopes; 0.5-dB-per-step level controls from 0 dB to 20.5 dB for passbands. S/N 100 dB; 17.5 x 4.4 x 14.7 in. $3,500

ACE AUDIO

6000-6 Transient-Perfect Electronic Crossover
Designed for optimum transient performance at any crossover frequency; passes perfect square waves. With 1 frequency module (interchangeable), 6 dB/octave slope, dual level controls. Distortion 0.002%; noise −95 dB; 2.25 x 6 x 4.36 in $186

6500-DSB Electronic Crossover
Designed to operate with any pair of stereo subwoofers to provide extra bass below 100 Hz; twin level controls; Bessel filters provide optimum slope and improved group delay; any frequency available from 40-200 Hz; slope 12 dB/octave, distortion typically 0.002% at 2 V output; includes 1 plug-in frequency module..... $167

6500-SF. Similar to model 6500-DSB but also contains a built-in subsonic filter (18 dB/octave below 15 Hz) $192

6000 Electronic Crossover
Designed for bi- or tri- (with 2 6000s) amplification. Features plug-in frequency module; built-in power supply; 15 crossover frequencies, 200-10,000 Hz at 12-dB/octave; 2 tweeter level controls. THD and IMD 0.002%; input imp 220 kohms; output imp 100 ohms; hum and noise <90 dB; 6 x 4.36 x 2.25 in ... $156
6000-SF. Similar to model 6000 but also contains a built-in subsonic filter (18 dB/octave below 15 Hz) $181

ADC

Sound Shaper SS-525X Equalizer
Automatic computerized 12-band system/room EQ with channels separate or together. Features real-time spectrum analyzer; dbx technology; remote control; precision 2-dB settings; switchable 18-dB/octave infrasonic (subsonic) filter; microcomputer with 4 memories for storing user-created EQ curves; switchable FL display; electronic rocker-switch frequency controls; left and right ch attenuation; 2 tape monitors; 2-way dubbing; EQ record; built-in pink-noise generator; ± 13 dB control range. Includes calibrated electret-condenser mike..... $600

SS-325X Graphic Equalizer
12-band-per-ch equalizer/real-time analyzer with 5 memories for storing user-selected EQ curves. Features microphone; pink-noise generator; stepped EQ controls; narrow-band bass sliders; infrasonic filter; EQ center frequencies at 25, 40, 63, 100, 160, 500, 1,000, 2,000, 4,000, 8,000 and 16,000 Hz..... $400

SS-300SL Equalizer
Slim-line 10-band equalizer/real-time analyzer with microphone and pink-noise test signal for fine-tuning speakers and room response. Features ± 15-dB control range; large FL display; lighted EQ sliders; step infrasonic (subsonic) filters; 2 tape monitors; 2-way dubbing; center frequencies at 32, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz $200

SS-100SL Equalizer
Slim-line 10-band EQ with ± 15 dB control range. Features FL RTA display; 18-dB/octave infrasonic (subsonic) filter; EQ record..... $140

APHEX SYSTEMS

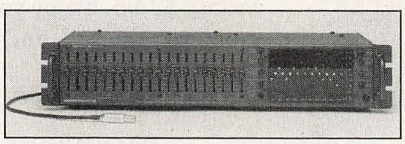
103A Type C Aural Exciter
Used to enhance record albums, broadcasts, and sound systems, recreates and restores missing harmonics. bandwidth 10-100,000 Hz ± 3 dB; noise −96 dBv; THD <0.01%; operating level −10 to +4 dBm; max in/out level +21 dBm; with racks (19″ wide); 1.75 x 17 x 6 in; 4.5 lb $299

ARCAM

Arcam Delta Black Box DA Converter
Digital audio interface features motors; servos; displays; microprocessors; shared power supplies; quadruple oversampling digital filter feed; 16-bit twin D/A converters; gold-plated phono sockets.... $649

AUDIO CONTROL

C-101 Series Two Equalizer/Analyzer
Stereo graphic equalizer features 101-LED spectrum



analyzer display that operates on various levels; shows controllable peak-reading modes (fast/slow); horizontal LED's indicate SPL; switchable calibration levels from 2/dB/LED (analyzes pink noise and mike) to 4 dB/LED (displays wider dynamic range). Center frequencies 32, 60, 120, 480, 960, 1,920, 3,840, 7,680, and 15,500 Hz; boost/cut range max 15 dB; -1 dB subsonic rolloff at 25 Hz, -3 dB rolloff at 20 Hz, -21 dB rolloff at 10 Hz; variable input level sens with calibration; auto mike/line input switching; pink-noise generator; stereo paired equalizer sliders; 18 dB/octave subsonic filter; phase correlation rumble reducer circuit. FR 3-100,000 Hz ± 0.75 dB; distortion 0.009%; hum and noise -116 dB; 10,000 Hz bandwidth; input/output imp 100k/150 ohms; 6.5 x 19 x 3.5 in..... $429

Richter Scale Series III Equalizer/Analyzer
Designed to enhance bass response; perfect for integrating subwoofer and satellites, smoothing transition from bass to middle frequencies; combines six-band half-octave bass equalizer, warble tone analyzer, programmable Linkwitz-Riley 24-dB/octave electronic crossover; measurement mike; center frequency slide controls at 22.5, 31.5, 45, 63, 90 and 125 Hz, ± 12 dB; stereo warble tone source adjustable to each center band via rotary knob; -20 to +6 dB lighted meter registering mike input; 18 dB/octave infrasonic filter; source/tape monitoring; equalize program; low-frequency (12 dB/octave at 200 Hz) summing circuit for rumble reduction; frequency point programmable (24 dB/octave) electronic crossover circuit for subwoofer and biamplification modes; mono and inverted mono outputs for bridging; gold jacks. FR 3-100,000 Hz ± 1dB; THD 0.005%; input imp 100,000 ohms; output imp 150 ohms, S/N 120 dB..... $349

Ten Plus Series Two Equalizer
Stereo 10-band equalizer with LED indicators in slide controls with warble tone analyzer. Features video sound input and switching; 18 dB/octave infrasonic filter; tape EQ with flashing LED warning indicator; calibrated mike with response curve; sound pressure meter with 0 dB LED. FR 3-100,000 Hz ± 1dB; THD 0.07%; S/N 120 dB $329

Phase Coupled Activator
Detects and digitally reconstructs fundamental musical frequencies attenuated in the recording processes. Proprietary intelligent circuitry discriminates between sound sources, passing some (like most voices) without adding spurious lows, while restoring missing musical fundamentals. Features in/out switch; subsonic filter 18 dB/oct; programmable electronic crossover; crossover output level; tape monitor; detection ratio sensitivity adjustment; rack mount. FR 5-100,000 Hz ± 3 dB; S/N -118 dB; THD 0.005%; IMD 0.01%. 2.75 x 17 x 8.5-in; 5 lbs $259

Octave Plus Equalizer
Unit combines 10-band octave graphic equalizer, warble tone generator/analyzer, measurement mike. Features center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 17k Hz; max 12 dB boost or cut; stereo warble tone source adjustable to each band center via rotary switch. 2-position range buttons; -20 to +3 dB lighted meter registering mike input; 18 dB/octave infrasonic filter, source/tape monitoring. FR 3-100,000 Hz ± 1 dB; THD 0.008%; input imp 100,000 ohms; output imp 150 ohms; S/N 116 dB, charcoal faceplate $239

Ten Series Two Equalizer
Stereo graphic equalizer with video/sound input and switching, 18 dB/octave infrasonic filter. Features LED's in slide controls; flashing LED to indicate when in tape EQ mode. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; boost/cut range max 12 dB; FR 3-100,000 Hz ± 1 dB..... $229

Octave Equalizer
Features paired-octave slider controls, tape record EQ; 18 dB/octave subsonic filter. FR 3-100,000 Hz ± 1 dB; S/N 118 dB; THD 0.008%..... $149

AUDIO DESIGN ASSOCIATES

EQ-5 Stereo Equalizer
Two channel, 5-band equalizer with ± 0 dB range and unity gain controls; Features bypass switch; power switch and indicator; external DC power supply; compact design; standard EIA rack-mountable. Frequencies 37 Hz/109 Hz/675 Hz/1,300 Hz/15,900 Hz; FR 20-20,000 Hz ± 3 dB; S/N 85 dB THD 0.05%$695

AUDIO RESEARCH

EC-21 Electronic Vacuum-Tube Crossover
Low-frequency, passive high-frequency electronic crossover; features individual low-ch level controls; 9-dB max gain; auto warm-up muting; fixed frequency capacitor kits available. Input imp 100k ohms; THD 0.003%; outputs match Audio Research power amps $995

AUDIOSOURCE

EQ-Ten Graphic Equalizer/Spectrum Analyzer
12 band per channelEQwith soft touch controls. 32 function wireless remote control; pink noise generator and calibrated electret condenser mic.Self-contained microcomputer programmed to calculate listening room acoustics and adjust the units equalization curve. 4 memory frequency response curves. 2 tape connections; dubbing 1-2 and 2-1 with or without EQ; LED display left and right channel's; 12 LED indicators for spectrum analyzer.FR 5-120,000 Hz ± 1 dB;THD 0.008% at 1V output; control center points 25, 40, 63, 100, 160, 250, 500 Hz/1k, 2k, 4k, 8k, 16 kHz ±1 dB $400
EQ-Nine. Similar to above without remote control. $300

SS-One/II Surround Sound Processor
Dolby surround sound processor with variable surround-sound effects and built-in 30 W rear-ch amp. Features variable digital time delay; LED audio-level indicators; preamp outputs; synthesis and matrix stereo/surround for non-Dolby-encoded software; 100, 10,000 Hz boost circuits. FR 20-20,000 Hz ±3 dB; S/N 85 dB. 2.06 x 16.5 x 9.13 in; 8 lb..... $250
SS-Two. Similar to above without remote control. $200

AV-Four A/V Selector/Surround Sound
Synthesized surround sound with built-in 15-W/ch amp, 7-band graphic EQ with spectrum analyzer, 5 video/stereo audio inputs, RF in and out. Features DNR; antenna switching, RF modulator. FR 20-20,000 Hz ±3 dB; S/N >80 dB..... $200

AV-Three A/V Selector/Processor
Audio/video fader, enhancer, color and hue control for 5 video/stereo inputs and outputs. Features spectrum analyzer display; RF in and out; RF modulator; DNR; stereo synthesizer; antnna switching. FR 20-20,000 Hz ±3 dB; S/N >80 dB; chroma phase 45%; chroma level 200%; video enhancer 0-9 dB. 2.25 x 16.5 x 10 in; 6.75 lb $200

EQ-Eight Graphic Equalizer
10-band equalizer with 90-LED spectrum display. Features LED's on slide controls; control range ±12 dB; audio inputs plus second set of inputs for video audio or other high-output source; EQ rec switch; EQ defeat; tape monitor switch. FR 5-100,000 Hz ±1 dB; S/N -80 dB; THD 0.03%.; 2.43 x 16.5 x 7.12 in . $160

AZDEN

GX-500 Graphic Equalizer
33 point ⅓ octave graphic EQ designed for studio or professional applications. Allows input attenuation from 0-20 dB; equalizing range ±15 dB; FR 10-100,000 Hz ±3 dB; S/N 106 dB; THD .005%; 17 x 3.5 x 9 in; 3.5 kg $495

GX-50 Equalizer
Black 10-band equalizer with real-time spectrum analyzer; pink-noise generator; mic. FR 10-35,000 Hz ±3 dB; S/N 90 dB; THD 0.005%. 17 x 3.5 x 9 in; 10 lb..... $300

GX-45 10-Band Graphic Equalizer
10-band/ch EQ with graphic display, ±15 dB boost/cut. Designed to handle 2 tape decks for dubbing purposes. FR 10-35,000 Hz ±3 dB; S/N 90 dB; THD 0.005%; max output 6 V. 17 x 3.5 x 9 in $225

CAMBRIDGE AUDIO

DAC 2 Digital to Analog Converter
Contains all demodulating circuitry, digital filtering and digital to analog conversion system for any compact disc player with a data output. Uses a version of the 16 bit, 16 times oversampling system developed by Cambridge. Inputs for two CD players and two DAT players can be selected by front panel switches. Digital polarity inversion is offered, along with a volume control and a discrete class A headphone amplifier $1,099

CARVER

C-9 Sonic Hologram Generator
Designed to restore lifelike space and dimension to music. Sonic Hologram Generator precisely locates instruments and vocals in 3-dimensional space by using otherwise inaudible phase and time information to recreate the original vector sound field. Requires no special source material or additional speakers. Specs and performance identical to Sonic Holography section of C-4000 preamp. 19 x 1.75 x 4.62 in..... $249

CELLO

The Audio Palette
For changing tonal balance in 6 low-Q bands centered at 15, 120, 500, 2k, 5k, 25k Hz; max boost or cut 12 dB; sep input controls for L and R; controls for absolute phase (right 180x, left 180x, 0x, 180x), EQ (out, in, blend), monitor/center (+10 to <−40 dB), and output level (+10 to <−40 dB); Class A discrete circuitry..... $8,900

Master Supply
120 V AC $2,250

CERWIN-VEGA

DB-10B Bass Turbocharger
One band bass equalizer with subsonic filter below 20 Hz. Features switchable 5/10 dB of bass boost in the range 30-45 Hz; tape monitor connections; effect indicator; THD <0.025%; rated output 2 V rms; 7 x 14.25 x 2 in; 27 oz $59

CROWN INTERNATIONAL

FFX-2 Electronic Crossover
3-way mono crossover features 18 dB/octave high-pass and lowpass; 20-pin barrier block input/output connectors; LED power indicator; all-steel chassis; aluminum front panel; FR 20-20,000 Hz ±0.1 dB; THD <0.05%; carbide black front panel; splatter-coat black chassis and top cover. 19 x 6.5 x 1.75 in; 4.3 lb..... $249

DB SYSTEMS

DB-3-36 In-Phase Crossover
In-phase crossover with power supply. Features high and low outputs always in phase; diode protected inputs; total harmonic distortion <0.0008%; input imp 90,000 ohms; output imp 1,400 ohms max; rated output 3 V into 10,000 ohms with 3 volts input. Available in 6, 12, 18, and 24 dB per octave slopes $550

DB-3 2-Way Active Crossover
Fixed frequency active crossovers 6 or 12 dB Gaussian. Features screwdriver adjustable level controls on outputs; separate power supply. FR 10-100,000 Hz ±3 dB; S/N 100 dB; THD 0.003%; 2.5 lb; 8.5 x 3.2 x 7 in $292
Three-way 18 dB $539
Two-way 18 dB $384
Three-way 12 dB or 6 dB..... $349
Two-way 100 Hz, 18 dB $322
DB-2A Power Supply..... $85
DBP-1 Auxiliary Cable $18

DB-3-24 In-Phase Crossover
24-dB/octave crossover minimizes irregularity in radiation pattern through crossover region. High, low-pass outputs always in phase with each other, 6 dB down at crossover frequency. Requires DB-2A power supply or DBP-1 cable. User specifies frequency. Available in 2-way only $490
DB-3-24-100. Standard version of above, set at 100 Hz, with additional common bass $405

DB-5 Tone Control
Tone controls with 3 high and 3 low break frequencies; low-frequency boost switch and outputs for sum and difference signals. FR 10-100,000 Hz ±3 dB; S/N 96 dB; THD 0.0008%; IMD 0.001%. Requires DB-2A power supply or DBP-1 aux cable if used with existing DB Systems equipment. 8.5 x 3.2 x 7 in; 2.8 lb $380
DB-5AU. Similar to DB-5 with oak cabinet and gold jacks $465

DB-7 Phase Inverter
Phase inverter and bridging adaptor with supersonic and subsonic filters (18 dB). FR 10-1000,000 Hz ±3 dB; S/N 109 dB; THD 0.003%; IMD 0.003%. Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. 6.2 x 2.2 x 4.5 in $195

DENNESEN ELECTROSTATICS

Phase Restoration Device
Corrects for high-frequency phase delay caused by output filters in digital recorders and CD players. Features process or bypass, phase plus, phase minus. FR 10-100,000 Hz ±.1 dB; S/N 90 dB; THD 0.01%; 5 lb; 1.75 x 10 x 8-in $300

DENON

DE-70B Dynamic Equalizer
12-band stereo graphic equalizer. Can be used to control dynamic expander function for increased dynamic range at selected frequencies with adjustable rate level. Features separate rec out and input selectors. 3-positionmonitor switch. FR 10-200,000 Hz +0, -2.5 dB; low distortion -0.0003% at 1,000 Hz $500
ACA-36. Wood side panels for DE-70B..... $30

FISHER

ASR-875 Surround Sound System
Surround system includes CAV-875 surround sound processor/amplifier with wireless remote control and WS-460 surround speakers. Processor features Dolby Surround processing; simulated, hall, and stadium surround effects, switchable 10, 20, 30, 40, or 50 ms delay; 4 sets stereo video inputs; 2 sets stereo video outputs; 1 aux input; 1 tape monitor; 24-function remote control. Each speaker features a 6.5″ woofer; 3″ tweeter. Power output: 30 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.5% THD... $399

FOSGATE/AUDIONICS

DSM 3610 Pro Plus Surround Processor
High-separation surround processor with proprietary ProPlus logic circuitry. Features remote control; subwoofer output; side-channel outputs; left front, center front, right front, and left/right surround channels; ultra-low noise variable time delay; bass EQ circuitry; operating modes for Dolby surround and high-separation enhancement of regular stereo music sources; 4 A/V input; tape monitor. FR 2-300,000 Hz ±1 dB. 17.25 x 2.75 x 12 in; 12 lb $1,429
DSM 3608. Similar to 3610 without side channel outputs and A/V switching; includes 40 W/ch surround amplifier $999
DSM 3604. Same performance characteristics as DSM 3610 less ProPlus circuitry $849
DSM 3606. Similar to 3608, without variable time delay and infrared remote control..... $629
DSM 3603. Similar to 3606 without Pro Plus circuitry..... $549

GOLD SOUND

30 Spectrum Analyzer
Rack mount AC 30-band/ch spectrum analyzer with pink-noise generator. Features calibrated microphone; 300 LED's; LED range 27 dB; 25-20,000 Hz bandwidth; 32-128 dB range $2,185

30B Spectrum Analyzer
Portable DC battery-operated 30-band/ch spectrum analyzer with pink-noise generator. Features calibrated microphone; 300 LED's; LED range 23 dB; 25-20,000 Hz bandwidth; 32-128 dB range $599

GS424 EQ Active Crossover
Rack mount unit with black anodized aluminum front panels and smoked plexiglass security covers. Features 4-ch biamp; fixed bass equalization; subsonic filter; stereo output; variable crossover frequency setting; 12 high-pass, low-pass, and midrange controls; S/N 102 dB; THD 0.02%; input 0.75 V; Linkwitz-Reilly filters $484

GS424 Active Crossover
Rack mount unit with black anodized aluminum front panels and smoked plexiglass security covers. Features 4-ch biamp; stereo output; variable crossover frequency setting; 12 high-pass, low-pass, and midrange controls; S/N 102 dB; THD 0.02%; input 0.75 V; Linkwitz-Reilly filters $424

10B Spectrum Analyzer
Portable DC 10-band/ch spectrum analyzer with optional pink-noise generator. Features calibrated microphone; 100 LED's; LED range 23 dB; 32-16,000 Hz bandwidth; 30-123 dB range $384

GS224 EQ Active Crossover
Rack mount unit with black anodized aluminum front panels and smoked plexiglass security covers. Features fixed bass equalization; subsonic filter; stereo output; variable crossover frequency setting; 6 high-pass and low-pass controls; S/N 102 dB; THD 0.002%; input level 0.75 V; 24 dB slope; Linkwitz-Reilly filters $384

GS224 Active Crossover
Rack mount unit with black anodized aluminum front panels and smoked plexiglass security covers. Features stereo output; variable crossover frequency setting; 6 high-pass and low-pass controls; S/N 102 dB; THD 0.002%; input level 0.75 V; 24 dB slope; Linkwitz-Reilly filters $324

M10 Spectrum Analyzer
Portable DC 10-band/ch spectrum analyzer with pink-noise generator. Features calibrated microphone; 70 LED's; LED range 15 dB; 32-16,000 Hz bandwidth; 65-110 dB range $269

HARMAN KARDON

EQ8 Graphic Equalizer
Stereo 10-band graphic equalizer with infrasonic filter continuously variable from 5 to 30 Hz; L and R input controls with overload LED's; tape monitor; tape EQ. Center frequencies 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; max boost or cut 12 dB$319

INTERNATIONAL COMPONENTS

VSP3600 A/V Surround Processor/Decoder
Audio/video surround processor/decoder with built-in amplifier and DNR. Features surround compatible matrix decoding circuitry with variable time delay; up to 40 dB front-to-rear separation; stereo synthesizer/expander simulates stereo signal from any mono source; separates mono signal into 5 overlapping frequency bands; built-in 10 W surround channel amplifier; surround output jack; master volume control; tape output jacks; input level indicators; gold-plated connectors..... $207

VSP2400 Audio-Video Surround Processor/Decoder
Hooks-up to main front channel amp and rear channel amp to provide surround processing. Features 10 msec time delay for front-to-rear separation up to 60 dB; input level LED indicators; gold-plated connectors..... $112

VSS1800 Audio-Video Surround Simulator
Hooks-up to any solid-state amplifier, extracts simulated surround ambience from any stereo source, and requires only an additional pair of rear speakers and speaker wire. Features surround level control; noise eliminator; 6 x 2.5 x 4.75 in $34

JRM

3PBP/X4 Crossover
Active crossover features 4 frequency bands/ch; 18 dB/octave crossover slopes; independent high-, low-pass frequency selection; plug-in modules frequency setting; stereo/mono/inverted subwoofer outputs; 8 level controls; S/N ratio 110 dB; THD 0.01%; output impedance 100 ohms..... $750/pr

3PBP/X2 Crossover
Active crossover features 2 frequency bands/ch; 18 dB/octave crossover slopes; independent high-, low-pass frequency selection; plug-in modules frequency setting; stereo/mono/inverted subwoofer outputs; 4 level controls; S/N ratio 110 dB; THD 0.01%; output impedance 100 ohms..... $450/pr

Remote Unit Equalizer
Equalizer with 2 channels features switchted tape EQ; 6 bands/ch; unity gain control; 7 rms V output; THD 0.01%; boost/cut range 8 dB; subsonic filter; video inputs $350

JVC

XPA1000BK Digital Acoustics Processor
Digital acoustics processor for accurate recreation of original spatiality. Features LSI for digital signal processing; digital processing using 16-bit quantization and 48 kHz sampling; quadruple-oversampling D/A converter; 64-times oversampling A/D converter; 20 programmed sound field patterns; 20 user-programmable sound field patterns; compensation for ambience of listening room and source program; direct digital inputs and outputs (optical and coaxial); 4/6-channel system configuration selectable; 6-ganged motor-driven remote-controlled volume control; FL display; remote control..... $1,200

SEAM770BK Graphic Equalizer
Electronic 7-band graphic equalizer with infrared wireless remote control. Features 7 frequency equalizer controls per channel; 6 user preset equalizations; 6 programmed preset equalizations; LCD for S.E.A./real-time spectrum analyzer; computer-controlled electronic equalization. Remote control functions include adjusting frequency response; recalling a preset equalization; memory of user-programmed EQ curves; adjusting volume; fade-muting sound; initiating preset scan; selecting transfer, reverse, or flat response $400

SUA400 A/V Surround Processor
A/V surround processor. Features wireless remote control with front and rear master volume controls; Dolby surround; hall; simulated surround; left-right calibration and delay-time controls; built-in power amp with 10 W/ch driven into 8 ohms from 40-20,000 Hz with no more than 0.5 THD. Preamp-level output external amp; headphone jack..... $305

SUA30 A/V Surround Processor
Surround sound processor with three surround effects including Dolby Surround, hall surround, and simulated surround. Features built-in amplifier; left/right calibration and delay-time controls; volume control for rear speakers; preamp-level output for external power amplifier; heaphone jack for surround sound headphones. Power output: 10 W/ch into 8 ohms from 40-20,000 Hz with no more than 0.5% THD..... $235

SEA12BK Graphic Equalizer
7-band graphic equalizer features 7 frequency controls per channel with ±10 dB control range; S.E.A. recording for equalized tape dubbing; −6 dB input attenuator to prevent overload distortion; transistor inductors for expanded dynamic range. FR 10-50,000 Hz ±3 dB; S/N 110 dB; THD 0.03% at 1,000 Hz. 17.19 x 2.44 x 7.86 in; 4.2 lb..... $100

KENWOOD

GE-1100 12-Band Graphic Equalizer
Basic series graphic equalizer with built-in reverb amp and 12-band spectrum analyzer display. Features independent L/R channel EQ controls; ±12 dB EQ range; L/R or L+R display selector; LED illuminated slide controls; time-delay and depth controls; two tape monitors with bidirectional dubbing and monitoring; full-effect recording; EQ normal/reverse selector; -6 dB attenuator; THD 0.003%; S/N 105 dB. 6.44 x 17.31 x 13.75 in; 13.6 lb..... $430

SS-97 A/V Surround Processor
Features Dolby/Theater/Stadium Surround; adjustable delay for Dolby and Theater; built-in 15-W/ch amplifier for rear speaker drive; full function wireless remote control with level and balance adjustment; 2-way video dubbing with tape monitor switch; audio injection; remote-controllable through KA-127; FR 20-20,000 Hz; S/N ratio greater than 80 dB. 3.44 x 16.56 x 10.81 in; 9.9 ..... $359

SS-96 Surround Sound Processor
Audio/video surround processor with remote control. Features Dolby Surround processor; theater and stadium effects; time delay control; left/right channel calibration controls; two VCR inputs with dubbing and audio injection; VDP input; tape monitor; video monitor; florescent display; 15 W/ch amplifier; preout connection to external amplifier. 3.44 x 16.56 x 10.81 in; 9.9 lb..... $350

SS-75 Surround Sound Processor
Features Dolby Surround processor; theater and stadium effects; time delay control; left/right channel calibration controls; surround volume control; LED leve meter and power indicator; built-in 5.5 W/ch amplifier; preout connection to external amplifier. 2.19 x 16.56 x 8.56 in; 6.8 lb..... $250

SS-77 A/V Surround Processor
Features Dolby/Theater/Stadium Surround; adjustable delay for Dolby and Theater; built-in 10-W/ch amplifier; FR 20-20,000 Hz; S/N ratio greater than 80 dB. 2.19 x 16.56 x 8.56 in; 6.8 lb..... $249

GE-87 7-Band Graphic Equalizer
Features independent L/R channel adjustment; ±12 dB EQ range; 7-band spectrum analyzer with separate L/R channel fluorescent displays; reverse mode switch; equalizer recording switch; facilities for cassette deck and additional signal processor connection; total harmonic distortion less than 0.006%; frequency response 10-100,000 Hz; S/N ratio 100 dB. 3.44 x 16.56 x 10.5 in; 8.5 lb..... $249

GE-76 9-Band Graphic Equalizer
Features independent L/R channel EQ controls; ±12 dB or ±6 dB variable range; spectrum analyzer with separate left & right channel displays; reverse mode switch; EQ record switch; line, tape, adaptor input/outputs. 3.5 x 16.56 x 10.38 in; 7.9 lb $240

GE-57 12-Band Graphic Equalizer
Features independent L/R channel adjustment; ±10 dB EQ range; LED indicators on slide controls; line/tape input/output jacks; equalizer defeat switch; THD less than 0.01%; FR 10-50,000 Hz; S/N ratio 110 dB. 3.44 x 16.56 x 10.25 in; 6 lb..... $179

GE-56 12-Band Graphic Equalizer
Features independent L/R channel EQ controls; ±10 dB EQ range; LED display; output level control; line/tape input/output connector; EQ on/off switch. 3.44 x 16.56 x 10.25 in; 6.0 lb $160

GE-47 7-Band Graphic Equalizer
Features independent L/R channel adjustment; ±10 dB EQ range; LED indicators on slide controls; line/tape input/output jacks; equalizer defeat switch; THD less than 0.01%; FR 10-35,000 Hz; S/N ratio 96 dB. 3.44 x 16.56 x 8.87 in; 6.6 lb. $109

GE-46 7-Band Graphic Equalizer
Features independent L/R channel EQ controls; ±10 dB EQ range; LED display; line/tape input/output connectors; EQ on/off switch $100

KINETIC AUDIO

3-Point Crossover/Level Control
Monophonic passive crossover/level control system that keeps low frequencies from entering miniature monitor, satellite speaker systems. Features crossover level control and mid-high-pass filter. Crossovers 65, 90, 180 Hz; converts 4- to 8-ohm load. Can be built into Kinetic subwoofers. Mono version $150

4-Point Crossover/Low-Pass Filter
Monophonic passive crossover to be used with subwoofer for filtering out unwanted midrange and high frequencies. Crossover points are 60, 90, 180, and 350 Hz; imp 6-8 ohms. Can be built into Kinetic subwoofers. Mono version; 15 lbs; 4 x 15 x 10 in $150

LT SOUND

CLX-2 Compressor/Limiter/Expander
Features stereo and independent compression or limiting; De-Ess circuit; noise gating; keyed expansion or gating; knee-type compression switchable in or out; external modulation jacks for tremolo and panning effects (requires external oscillator). FR 20-40,000 Hz ±.5 dB; THD <0.003%; S/N >−90 dB; dynamic range >115 dB; max input +25 dB. 19 x 2 x 7.25 in $895

RV-2 Stereo Reverberation Unit
Reverb unit compatible with any send/receive bus level. Features the sound of two different plates and an acoustic chamber simultaneously and in true stereo; microplate reverb with FR >18,000 Hz; electronically adjustable decay; 90 dB reverb dynamic range. FR 2-40,000 Hz ±.5 dB, reverb 20-18,500 Hz ±2 dB; input imp 47 k unbalanced; S/N >90 dB. 19 x 1.75 x 7.25 in $895

Tape Noise Reduction Units
All noise reduction units are compatible with the dbx noise reduction system and any open-reel tape deck, have a user adjustable level from -10 to +4 dB, have simultaneous encode/decode, are rack-mountable, and are available in hardwired versions. S/N >−90 dBm; FR 20-20,000 Hz ±.75 dB; THD <0.15% at 1,000 Hz.
NR-8. 8-channel version $795
NR-4. 4-channel version $475
NR-2. 2-channel version $275

PEQ-2 Dual 4-Band Parametric Equalizer
4-band parametric EQ with 2 control frequencies at 25-3,000 Hz, and one each at 85-13,000 and 125-20,000 Hz. Features output capable of driving 600 ohm loads; phono or RCA jacks; optional peak-dip or shelving response on upper and lower bands. FR 20-20,000 Hz ±.5 dB, 2.2-100,000 Hz ±1 dB; S/N >90 dB; slew rate 13 V/μsec. 19 x 3.5 x 7.13 in. . . . $595
PEQ-1. As above, single channel version, no low frequency rumble filter $349

SL-2 Stereo Limiter
Features 2 channels of both compression and expander noise gate capability; compressor and expander work simultaneously; De-Ess circuit; stereo or independent compression available. S/N >90 dB; FR 20-20,000 Hz ±.5 dB; THD <0.03%; slew rate 13 V/μsec. 19 x 1.75 x 7.25 in $395

ECU-2 Electronic Crossover
Electronic crossover capable of stereo bi-amping and stereo tri-amping. Features phase inversion switches; high slew rate Bi-FET integrated circuits; switchable 1.5 Hz or 30 Hz rumble filter; low crossover point 75-1,100 Hz; mid/high crossover point 75-1,100 Hz in 1x range, and 750-11,000 Hz in 10x range. S/N >90 dB; THD <0.007%; IMD <0.003%; filter slope 12 dB/octave $295

MARANTZ

CDA-94 Outboard D/A Converter
Used with CD players and other digital components providing digital output. When used with Marantz CD94 eliminates ground loops, contact rectification; accepts 2 wired digital inputs with additional input and output connectors for DAT tape deck; automatically selects correct sampling rate for DAT deck; fixed and variable line outputs, adjustable headphone level and balanced XLR-3 outputs for broadcast and professional applications. $1,700

EQ 551 Graphic Equalizer
10-band graphic EQ with separate controls for left and right channels and equalized tape output. Calibrated mic included. FR 20-40,000 Hz ±3 dB; THD 0.005%; S/N 80 dB $250

EQ-432 Graphic Equalizer
7-band graphic equalizer with two channels. Features adjustment range ±10 dB; LED indicators $149

EQ 130 Graphic Equalizer
10-band graphic equalizer with separate controls for each channel. 2.62 x 16.5 x 8 in; 5.5 lb. $130

MARK LEVINSON BY MADRIGAL

LNC-2 Electronic Crossover
Modular system for frequency division of line-level signals; 4 active filters (2 high pass, 2 low pass); on/off switch for each high- and low-pass filter, internal stereo/mono switch and Camac connectors; hand-brushed and black anodized finish; 18 dB/octave slopes, optional 6-dB or 12-dB slopes for 3-way stereo operation; optional 6-dB/octave slope OCS modules; output level of each FR controlled by 10-turn locking potentiometer on front panel. THD 0.002%; wideband noise <102 dBV unwtd; accuracy within 5% of specified crossover point; PLS-151 separate power supply load regulation 0.05%; wideband noise output 18 μV; LNC-2: 2.25 x 19 x 7.88 in; 12 lb . . . $3,500

MEMOREX BY MEMTEK

DS-10 Surround Sound Decoder with Amplifier
Reproduces Dolby surround sound. Features 15 W/ch through user's two rear speakers, or can be used as a stand alone audio amp providing 5 W/ch to front and rear speakers; choice between Dolby surround or stereo mode for non-surround encoded stereo programs; input balance control; front/rear balance; flat black finish with gold lettering $130

Infrared Cordless Headphone Adaptor
Infrared transmitter beams any audio source to a special receiver module that can accept all mini-plugged headphones $70

NEC

PLD-910 Dolby Pro-Logic Surround Sound Decoder
Features L/R independent dual 16-bit digital delay circuit (1.0 μsec-94 μsec/0.1m step); Dolby Pro-Logic Surround; Creation Surround; 41-key wireless remote control; quadruple-oversampling digital filter; FIP indicator; input/output terminals; noise sequencer; THD 0.005% $999
PLD-310. As above with fixed 20 μsec delay to rear speakers; double-oversampling digital filter . . . $449

Renaissance Series

AVD-700E Surround-Sound Processor
Remote-controlled 16-bit digital-delay surround-sound processor with Dolby, hall, matrix, and creation surround circuits. Features inputs for up to 10 video and 5 audio sources; mix-and-match of any video with any audio source; master level control; reset button to set all volume levels to −40 dB without affecting any presets; volume indicators that indicate display levels of front and surround sound channel by channel. FR 10-20,000 Hz +5, −1 dB; S/N 100 dB. 17 x 3.2 x 13.4 in; 16.1 lb $729

AVX-910 Surround Sound Prologic Switcher
Audio/video switcher with surround sound. Features inputs for CD, tuner, two aux, tape, two A/V, two S-video; outputs for tape and S-video, S-monitor, S-record; digital noise reduction; digital memory $699

NIKKO AUDIO

EQ-30 32-Band Equalizer
32-band mono equalizer with 1/3 octave $349

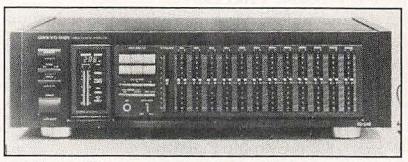
EQ-950 Graphic Equalizer/Spectrum Analyzer
Features 10 bands/ch; spectrum display of separate or combined L/R equalizer settings; pink noise generator; mic for EQ slope; EQ bypass; source selector; tape in/out. Center frequencies at 31.5, 63, 125, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz $329

EQ-25 10-Band Equalizer
Graphic equalizer with adjustable frequencies at octave intervals from 31.5-16,000 Hz. Features 10 slider controls per ch $299

EQ-540 9-Band Equalizer
Graphic equalizer with 9 bands/ch and built-in graphic indicator $200

ONKYO

Integra EQ-540 Graphic Equalizer
Dual 12-band graphic equalizer. Features dual 12-band adjustments; warble and center frequency tone generator with fixed and stepped sweep modes;



supplied calibration microphone; high-density information display with frequency readout; EQ range adjustment; master attenuator $400

Integra EQ-35 Graphic Equalizer
12-band graphic equalizer with signal generator. Features individual controls for each channel; LED slide markers; signal generator for all center frequencies except 16 and 32,000 Hz; step or sweep generator mode; level control, ±12 dB or ±6 dB adjustment range switch; operation mode display; delta power supply. Center frequencies at 16, 32, 64, 125, 500, 1,000, 2,000, 4,000, 8,000, 16,000, and 32,000 Hz. sound and noise reduction 100 dB; THD 0.01%. Available in black $320

EQ-240 Graphic Equalizer
7-band graphic equalizer includes a spectrum analyzer display with level control. Features LED indicator for each band; EQ bypass switch; monitor/tape-source switch. Center frequencies at 64, 160, 400, 1,000, 2,500, 6,300, and 16,000 Hz. S/N 100 dB; THD 0.01% at 20-20,000 Hz, 1.5 V output. 17.12 x 2.81 x 10.12 in; 6.4 lb $210

EQ-140 Graphic Equalizer
Dual 7-band graphic equalizer. Features dual 7-band adjustments; EQ bypass switch; tape monitor switch; LED indicators. $150

PHILIPS

DAC 960 D/A Converter
D/A converter optically coupled to digital filters; 3 separate power supplies with 3 individual transformers; DAT ready; optical digital input with supplied fiber optic cable; phase inverter control; outputs with 2-stage muting; die-cast chassis; shock-absorbing feet; copper heat sinks; ceramic power capacitors; headphone amplifier with volume control. FR 2-20,000 Hz; amplitude linearity ±0.01 dB; S/N >101 dB; dynamic range >96 dB; channel separation >100 dB (1 kHz); THD <0.0015% (1 kHz); IMD -90 dB (at maximum output level); ultrasonic noise reduction >60 dB. 3.44 x 16.8 x 13.28 in; 18.7 lb$949

PIONEER

VSP-555 Surround-Sound Processor
Digital surround-sound processor with built-in amplifier and remote control. Features Dolby, stadium, and simulated surround modes; digital delay; A/V switching and connections; 30 W/ch amplifier at 8 ohms from 30-7,000 Hz with <5% THD. $375

GR-777 10-Band Graphic Equalizer
10-band graphic EQ with boost/cut of ±10 dB and remote control. Features center frequencies of 32, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 10-band spectrum analyzer; 5 programmable EQ patterns; 5 resident EQ patterns. $370

SP-X707 Surround-Sound Processor
Features 4 surrond modes (simulated stereo, stadium, theater, and Dolby); dynamic expansion switch; super-bass switch; wireless remote control. 30 continuous average W/ch. 2.94 x 14.19 x 13.06 in. . . $320

SG-60 Graphic Equalizer
Features 12 bands/ch; independent controls for left and right ch; 2 tape monitors; input level control; black finish. Center frequencies at 16, 32, 64, 125, 250, 500, 1,00, 2,000, 4,000, 8,00, 16,000 and 32,000 Hz; control range ±12 dB. 5.19 x 16.56 x 13.81 in. $300

EX-9000 Dynamic Processor
Features dynamic range expansion; noise-reduction effect; FL level indicator; input level control; tape monitor switch; black finish. Center frequencies 50, 500, 5,00 Hz; attack time 4.7 ms; release time 2.7 ms/6.8 ms switchable. 2.38 x 19.56 x 3.38 in. . $260

GR-555 7-Band Graphic Equalizer
7-band graphic EQ with boost/cut of ±10 dB. Features center frequencies of 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; 7-band spectrum analyzer; tape monitor. $225

SR-60 Reverberation Amplifier
Features solid-state BBSD circuit; reverb, echo, and duet effects; visual display; tape monitor; black finish. Reverb time 0-3 seconds (reverb and echo); delay time 100 ms (duet). 3.88 x 16.56 x 13.38 in$210

GR-470 Graphic Equalizer
Features 7 bands/ch; slide controls with LED indicators; black finish. Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz. 2.38 x 16.56 x 8.69 . . . . . $100

RCA

MSP400 Dolby Surround Sound Processor
Dimensia surround sound processor with built-in amplifier and Dimensia remote operation. Features Dolby Surround; simulated surround; theater surround; stadium surround; front/rear channel volume with mute; loudness; bass boost; sound expansion; line-level center- and rear-channel outputs; tape monitor loop; AC convenience outlet. Power output 30 W/ch from 100-6,000 Hz with no more than 3.0% THD; S/N 60 dBA (surround speakers output). 14.5 x 3 x 13.13 in $349

MGE260 10-Band Graphic Equalizer
Features Dimensia system design; automatic power-on; lighted slide controls; fluorescent spectrum analyzer display; built-in muting; EQ-bypass switch; power-off bridging; AC convenience outlet. EQ center frequencies: 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; adjustment range ±10 dB. FR 20-20,000 Hz ±0.5 dB; S/N >100 dBA; THD <0.005%. 14.63 x 3 x 10.38 in $219

REALISTIC

31-2020 10-Band Equalizer
10-band/ch EQ with spectrum analyzer; IMX spatial expander; tape 1 and 2 in/out. S/N 95 dB. 16.22 x 2.62 x 8.47 in; 6.1 lb. $130

31-2018 10-Band Equalizer
10-band/ch EQ with IMX spatial expander. S/N 95 dB. 350 x 64 x 146 mm $60

SAE

E-101 Parametric Equalizer
Computer direct-line parametric equalizer with digital display. Features 2 bands with 10 memories/band; "pre" tape EQ feature. Bandwidth adjustable from 0.3-3.0 octaves; boost/cut range ±16 dB; rated output 2.5 V rms; THD 0.02%; S/N 100 dB; 19 x 12.5 x 3.5 in. $650

SANSUI

DA-607i Digital Processor
Filter unit containing two 8-times-oversampling digital filters and 1 analog filter. Features digital inputs for coaxial connection of a DAT recorder or player, a CD player, and an optical source; digital output to feed a DAT recorder and optical output; 2 pairs of left and right outputs for an analog amplifier; 2-transformer power supply (1 for analog, 1 for digital); sampling frequency selector (automatic during playback); volume control; headphone jack; battery-operated remote control. frequency resoponse 4-22,000 Hz ±3 dB; dynamic range 100 dB; total harmonic distortion (at 1 kHz) 0.002%; sound and noise reduction 115 dB. Black finish; 5.75 x 17.69 x 14.63 in $1,000

AV-99 Audio/Video Processor
A/V proccessor accepts signals from any line-out format. Features digital "Video Art" special effects; video enhancer; A/V faders. Terminals for 2 VCR's, 1 camera, 1 audio component, and 2 monitors; dubbing capabilities; audio insert; character generator terminals. Video input sens 1.0 Vp-p/75 ohms. Audio input sens -6 dB/47 kilohms. 16.94 x 4.06 x 11.25 in; 9 lb. $700

VX-99 Video Processor
Similar to AV-99 but without audio processing and video wipe features $600

DS-77 A/V Surround Sound Processor
Provides amplification for rear channel and center front for audio and video sound. Features super bass synthesizer; peak attacker; simulated stereo; built-in amp delay memories. Decodes specially encoded video tapes. FR 20-20,000 Hz ±3 dB; THD 0.09%; delay time theater and hall 20 m/sec; 10 W/ch for rear speaker drive. 16.94 x 2.94 x 9.88 in; 8.6 lb. . . $400

RA-1000 Electronic BBD Reverb Amplifier
Features 2 cassette inputs; bi-directional dubbing facilities; twin mike mixing facilities with separate volume controls for duet effect; color graphic display of reverb effect. Reverb time: echo 0-4.5 sec, dual 30-200 m/sec. THD 0.025%. 16.94 x 4.44 x 10.75 in; 3.7 lb $300

SE-3000 10-Band Graphic Equalizer
10-band graphic equalizer with real-time spectrum analyzer. Features center frequencies of 32-16,000 Hz spaced at 1-octave intervals; line, tape, and CD/aux inputs. THD 0.008%; S/N 110 dB; EQ range ±12 dB. 4.44 x 17 x 8.81 in; 6.8 lb $290

SE-1000 7-Band Graphic Equalizer
10-band graphic equalizer. Features center frequencies of 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz. THD 0.03%; S/N 75 dB; EQ range ±12 dB. 3.13 x17 x 8.31 in; 4.9 lb. $90

SANYO

SAV200 Surround-Sound Processor
Features Dolby surround-sound decoder; concert-hall surround mode; variable time delay; stereo-matrix mode; 2-color dimensional surround indicator; surround calibration and balance controls; 20 W/ch power amp $150

SOUND CONCEPTS

SSD550 Ambience Restoration and Surround System
Surround sound and ambience restoration system. Matrix decoder derives accurate rear channel from surround sound films and video sources. Takes stereo inputs and provides two front and two rear channel outputs with stereo delay for music or surround decoding plus delay for video. Stereo audio delay system; continuous delay variation 5-100 msec; continuous reverb variation 0-100%; high-frequency rolloff from -3 to +6 dB; front mix level 0-100%, rear level 0-100%; 50- or 100-msec delay range; rear output delay or quad direct; front output direct or delay mix; input front or quad rear; input imp 60k ohms min; output imp 300 ohms max; frequency response 20-10,000 Hz +1, -3 dB with 5 msec delay, zero dB high-frequency rolloff; dynamic range 90 dB min, sound and noise reduction 85 dB min, 90 dB wtd; 1% max distortion at 1,000 Hz, 1 V rms, consisting almost entirely of 2nd harmonic; 3.5 x 15.5 x 9-in. $789

IR2100 Image Restoration System
System expands stereo image beyond confines of space between speakers to reproduce sonic image presented to recording microphones; speaker/listener angle continuously adjustable 20x-100x; continuous adjustment of perimeter to central sound level balance; master volume control; connects in tape loop or between preamp and power amp; sound and noise reduction 80 dB; distortion 0.1% max; hand-held with 15-ft remote cable; 6 x 3 x 1.5 in . . . $289
IR2200. Nonremote version of IR2100 with perimeter to central sound level brilliance control; connects in tape loop; has provisions for tape recorder, capability to record expanded image. S/N 80 dB; distortion 0.1% max; 7″ w x 4″ d x 2″ h. Factory assembled $169
Kit (KIR-1). $95

VSP-1 Stereo Synthesizer
Provides interface to stereo system, creates spacious, realistic pseudostereo from mono sources; 10-band harmonically related frequency divisions. S/N 80 dB; distortion 0.2% max; 2 x 7 x 4-in. Factory wired$159
Kit (KVSP-1) $90

SX-80 Peak Expander/CX Decoder
Adds 20 dB of dynamic range to CX-encoded records and videodiscs, 6-9 dB of upward expansion to nonencoded sources; connects into tape loop, provides recorder connections. Features tri-color LED for 0 VU calibration with standard record supplied. S/N 80 dB; distortion 0.1% max; 2 x 7 x 4-in. Factory assembled $119
Kit (KSX-1) $76

SCOTT

EQ400 10-Band Graphic Equalizer
10 bands per ch; spectrum analyzer; center frequencies at 31.5, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz; max boost or cut 10 dB; delay circuit variable up to 20 msec; 2 tape-monitor circuits; EQ rec switch. 17.4 x 3.72 x 7.6 in $280

SHURE

Shure HTS 5200 Generation 2
Dolby Surround audio processor. Acra-Vector Logic Decoder and variable digital time delay. Acoustic Space Generator; output LED monitor; 6 ch output: left, right, center, 2 rear surrounds, plus subwoofer; wireless remote; stereo and mono Surround Synthesis and bypass modes. FR 20-20,000 Hz ±0.5 dB (front L/R, center); S/N −90 dBV; THD (front L/R, center) <0.1%, (surround L/R) <0.3%; 16.81 x 2.38 x 15.03 in; 11.10 lb $1,000

Shure HTS 5000 Surround Sound Processor
Decodes Dolby stereo sound encoded in video discs, video tape, and broadcast TV. Produces simulated surround sound from mono and stereo sources. Provides up to six ch of audio output: left, right, center, two surround channels, and subwoofer. Features Acra-Vector decoder circuitry with variable digital delay; acoustic space generator; remote control; output LED monitor display. FR 20-20,000 Hz ±0.5 dB; S/N (front left, front right, center) −90 dBV, −85 dBV (surround L/R); 16.81 x 2.38 x 15.03 in; 9.13 lb $749

Shure HTS 60RX Remote Extender
Separate infrared sensor eye package for use with HTS 5200 when decoder is installed in concealed location. .9 x 2.4 x 3.8 in $99

SONY

SDP-777ES Digital Surround Processor
Combines digital delay circuitry with Dolby HX Pro-Logic decoding. Features 16-bit quantization digital processing; switch-selectable speaker configuration; built-in pink noise generator; matrix delay mode; hall delay mode; stereo simulator delay mode; built-in video switching capability; audio outputs; Remote Commander $850

SEQ-333ES Graphic Equalizer
Remote-controlled 10-band graphic equalizer that automatically adjusts for room acoustics. Features real-time spectrum analyzer; precision test microphone; 3 inputs; 3 outputs; 8 acoustic memories with 4 pre-programmed curves; automatic or manual equalization; battery backup for programmed settings. Center frequencies 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; boost/cut range 12 dB (2-dB increments). 17 x 4.25 x 10.88 in. $600

SOUNDCRAFTSMEN

AE2000 Real-Time Analyzer/Equalizer
Stereo 10-band graphic equalizer with Differential/Comparator analyzer/equalizer circuitry, pink-noise generator. Features 100-LED (10-octave) real-time display with adjustable decay rate; mike preamp; input for analysis of 3-head tape deck, other signal processor; Auto-scan mode; brushed-aluminum front panel; hardwood side panels. Center frequencies 32, 64, 125, 250, 500, 1k, 2,000, 4,000, 8,000, 16,000 Hz; boost/cut range ±15 dB; display accuracy 0.1 dB; Auto-Scan sweep rate 0.1-10 secs/ octave; THD and IMD <0.01% at 2 V; S/N ratio 114 dB at max output; mic preamp input imp 2,000 ohms; FR 20-20,000 Hz ±0.1 dB $799

DC 4415 Third-Octave Equalizer
Third-octave stereo equalizer with 21 controls/channel. Center frequencies 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1,000, 1,600, 2,500, 4,000, 6,300, 10,000, 16,000 Hz. Features EQ defeat; infrasonic filter; tape monitor and tape record; Differential/Comparator circuitry for unity gain setting to within 0.1 dB accuracy for highest dynamic range capability. THD and IMD 0.01% at 2 V; S/N 114 dB at 10 V output; input imp 47,000 ohms. Front panel rack mount, brushed aluminum with charcoal finish $699

DC 2215 Differential/Comparator Equalizer
Stereo 10-band equalizer with Differential/Comparator true-unity-gain circuitry for input to output balancing accuracy to within 0.1 dB. Equalizer filter circuits use precision wire-wound passive-coil inductors for high gain, low noise and distortion. Front-panel controls include tape monitor, LED defeat/EQ defeat and EQ tape record. Total harmonic distortion and intermodulation distortion 0.01% at 2 V; S/N ratio 114 dB at 10 V; boost/cut range ±15 dB. Includes frequency spectrum analyzer test record, computone charts, cables. Front panel is rack mount, brushed aluminum with charcoal finish $449
DC 2214. Same as DC 2215 except equalizer filter circuits have op-amp synthesized inductors. THD and IMD <0.01% at 2 V; S/N ratio 106 dB at 10 V; boost/cut range ±12 dB $299

SUMO

Delilah 2-Way Electronic Crossover
Features front-panel user-selectable frequencies and slopes; 12-dB/octave high-pass slope; 12- or 18-dB/octave switchable low-pass filter with level control; stereo and mono low-pass outputs with built-in bridging circuitry; independent low-/high-pass frequency controls. FR 5-200,000 Hz ±3 dB; THD 0.008% max; input imp 50 kilohms; output imp <100 ohms; high- and low-pass frequencies 50, 63, 80, 100, 120 Hz with bypass. 19 x 1.75 x 10 in; 8 lb $549

SURROUND SOUND

Surround Sound System 4000
Dolby surround decoder with built in 45 W/ch amplifier and remote control. Features dynamic logic; front to rear balance; volume control for entire A/V system; variable delay; three surround modes; muting; center channel and subwoofer outputs; four audio/video inputs; two video outputs; switchable rear/center channel amplification; auto Dolby B NR; THD front channels .03%, Dolby surround .25%; music surround .355; FR front channels +.5 dB, 18-50,000 Hz; 3.25 x 17 x 13 in; 13.2 lb $600

System 1000 Surround Sound. Similar to above with 20 W/ch amplifier and no remote control; 2.75 x 17 x 8.5-in $250
Cinema 500 Surround Sound. Same as 1000 with two speakers included $299

Surround System 360 II
45 W/ch surround Dolby decoder. Features continuously variable audio time delay; four way input switching; dubbing capability; balance control for two rear speakers; one touch calibration; auto Dolby B NR; center channel and subwoofer outputs; FR front channels 18-40,000 Hz; THD front channels .05%, surround channel .25% $379

TEAC

EQA-30BL 10-Band/ch Graphic Equalizer
Controls at 32, 63, 125, 250, 500, 1k, 2k, 4k, 8k, 16k; Max boost or cut 15 dB; LED's in sliders; multi-color frequency analyzer with display hold and variable sens and levels; pink-noise generator; can equalize 1 source while monitoring another; dubs source while listening to another; subsonic filter; source/record switching; EQ defeat; includes calibrated omnidirectional electret-condenser mike and 2 RCA cables; optional rack-mount kit. FR 9-120,000 Hz; S/N 104 dB; 12 lb $399

EQA-20 Graphic Equalizer
10-band/ch graphic EQ with spectrum display. Features max 12-dB cut/boost; rec EQ in/out; pre/post EQ switch; LED's on slide controls; left and right attenuators; tape dubbing; dual-tape recording capability. FR 5-100,000 Hz ±3 dB; S/N >80 dB; THD 0.03%; input imp 47,000 ohms; output imp 600 ohms. 2.62 x 16.56 x 6.5-in; 6.6 lb $249
EQA-20BL. As above in black $249
EQA-5. Similar to EQA-20 without spectrum display. Includes single attenuator and LED signal meters $149

EQA-10IIS Graphic Equalizer
Stereo 10-band graphic equalizer with source/tape inputs; 10-band frequency-spectrum display; EQ in/out switch; pre/post EQ switch; line 1/2 input selector switch; silver $199
EQA-1011. As above in black $199

TECHNICS

SH-8065 33-Band Graphic Equalizer
With variable-range indicators and selector; tape-monitor switch; parallel L, R sliders. Center frequencies 16, 20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k, 12.5k, 16k, 20k, 25k Hz; boost/cut range ±3/±12 dB; S/N 110 dB; gain 0 dB; 16.94 x 13 x 6.03 in; 13.2 lb $725

SH-8066 Direct-Touch Graphic Equalizer
12-band/ch graphic equalizer sets EQ curves according to line traced on front panel by fingertip. Remembers 8 preset curves; EQ Plus function; auto equalizer compensates for system frequency response and room acoustics. S/N 107 dB; 16.94 x 4.69 x 10.09 in; 8.4 lb $640

SH-8046 Direct-Touch Graphic Equalizer
7-band graphic EQ with curves set by tracing fingertip across display. Max boost 12 dB, max cut 12 dB. Features FL display of EQ settings or music content by frequency band (spectrum analyzer); 4-preset EQ-curve memory; switch to reverse EQ curve; EQ-curve-lock switch; EQ rec switch; EQ on/off switch; tape monitor (source/tape) switches. Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz. 16.94 x 3.89 x 9.41 om; 6.6 lb $330

SH-AV44 Powered Surround Sound Processor
Recreates or simulates ambience depending on sound source. Features Dolby surround and Technics A/V surround system to extract reverberant sound information from and add phase shift to non-Dolby sources. Can be used with mono and stereo signals. Music, movie, and manual modes; 4 video inputs. sound and noise reduction 90 dB; 25 w into 8 ohms $295

SH-AV40 Dolby Surround-Sound Processor
20 W/ch surround-sound processor with both channels driven into 8 ohms from 40-20,000 Hz with less than 0.5% THD. Features FL display; 3 preset effects for A/V surround including theater, hall, and stereoplex; 4 A/V inputs; master volume $250

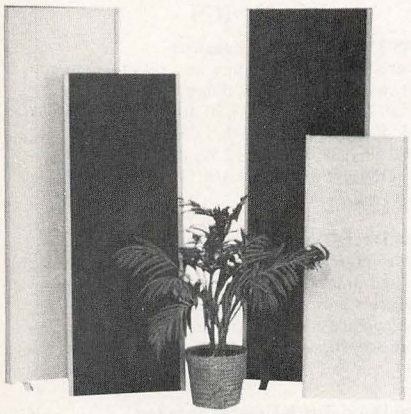
SH-8058 Graphic Equalizer
7-band/ch graphic EQ with 3 user-assignable preset memories. Features 3 factory-preset memories; one 7-band spectrum analyzer per channel; tape-output EQ; tape monitor. Center frequencies at 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 16 kHz. $245

SH-4020K Programmable Timer
Programmable timer for audio/video applications. Features on/off timer; 2 hr sleep function; 24-hour clock display $140

SH-8038 Graphic Equalizer
7-band/ch graphic EQ with tape-output EQ. Features LED display on tip of each control; reverse curve switch; tape monitor $115

MAGNEPLANARS®...

Because Music Doesn't Come In Boxes.



From the $495 per pair SMGa to the $1995 MG-IIIa, Magneplanar® speaker technology eliminates the box for a more open, natural sound. And because Magneplanars are bipolar —radiating sonic energy to the rear as well as forward — the three dimensional space the artists occupied while recording is recreated precisely in your home.

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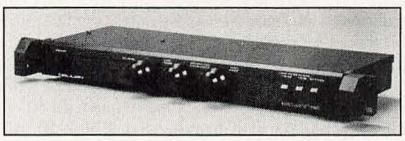
SIGNAL PROCESSORS

THRESHOLD

Model PCX Electronic Crossover
Dual-ch, dual-passband electronic crossover with 17 user-selectable crossover points between the range of 75 to 1,602 Hz (750 to 16,020 Hz available on special order). Computer modeling and optimization of filter circuit design allows 18 dB/octave slopes that will sum flat within a few % without phase inversion. Separate high- and low-pass filter outputs for each ch may be independently level-adjusted with front panel controls. Bridged-mono operation possible with normal and inverted summed mono low-pass filter outputs. 2 PCX may be used in tandem for tri-amplification. Uses fully discrete, direct-coupled J-FED, MOSFET, and bipolar devices. External power supply in separate chassis. Military-grade, glass-epoxy circuit boards with gold-over-nickel-over-copper plated paths. Gold-plated signal connectors with Teflon insulation. FR low-pass filter DC to cutoff slope initiation, high-pass filter cutoff slope entry to 100,000 Hz; total harmonic distortion no greater than 0.01% from 20-20,000 Hz; input imp 20,000 ohms; output imp 1,500 ohms, nominal. 1.75 x 19 x 6.5 in $1,500

VECTOR RESEARCH

VQ-125 Graphic Equalizer
10-band graphic EQ with spectrum analyzer and pink-noise generator. Features independent left/right EQ controls; 2 tape monitors; dubbing direction selector;

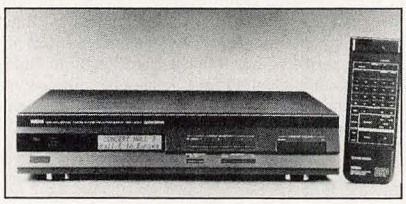


rec EQ; 2 line inputs; peak-hold display; subsonic filter; input sens switch. Center frequencies: 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; boost/cut range ±12 dB; S/N 109 dB; THD 0.009%. 16.94 x 4 x 9.44 in; 10.5 lb $250

VQ-115 Graphic Equalizer
10-band graphic EQ with master level with peak LED indicator. Features independent left/right EQ controls; tape monitor; EQ-defeat switch. Center frequencies: 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; boost/cut range ±12 dB; S/N 109 dB; THD 0.009%. 16.94 x 4 x 9.44 in; 10.5 lb $130

YAMAHA

DSP-3000 Digital Sound Field Processor
Features 20 preset acoustic surround modes, including Dolby surround; 35 variations, including many U.S. environments; 20 user-programmable memory modes; 5 variable parameter adjustments per mode or variation; up to 10-channel output capability; hi-bit quadruple-oversampling 18-bit digital filter; twin



hi-bit D/A converters; direct digital input (32 kHz, 44.1 kHz, 48 kHz); full-function remote control; master volume control; on-screen display; adjustable front to rear balance and effect signal level; built-in pink noise generator; effect mute; main mute; titanium finish. $1,899

DSP-1 Digital Sound Field Processor
Features 16 preset acoustic surround modes including 6-channel digital Dolby surround; 16 additional preset effect modes; 16 user-programmable memory modes; 16-character LCD; wireless infrared remote control; 5 variable parameter adjustments per mode; digital sound field generator $999
MVS-1. Master volume controller-selector for use with DSP-1. Features input selector for three inputs and one tape monitor; fader for CD player ... $149
SR-100 Pro Digital Sound Field Processor
Features Dolby surround pro-logic circuitry; DSP interface for Yamaha DSP models; digital delay control of 20 or 30 msec; input balance control; center mode switch; built-in pink noise generator; remote control; master volume control; tape monitor switch $599

EQ-1100U 10-Band Graphic Equalizer
Graphic equalizer with automatic room EQ. Features independent left and right channel controls; ±12 dB EQ range per band; 3 EQ factory-preset memories; 4 EQ user-preset memories; 10-band spectrum analyzer; pink noise generator; electret condenser microphone; EQ recording capability; 18-key wireless remote control. Black; 11 lb $599
RMA-G60. Rack mount adaptor for EQ-1100U $18

EQ-500U 10-Band Graphic Equalizer
Features independent left and right channel controls; ±12 dB EQ range per band; fluorescent spectrum-analyzer display; meter level adjustment; pink-noise generator; electret condenser microphone; EQ recording capability. Black; 11 lb. $399

EQ-32 10-Band Graphic Equalizer
Features independent left and right channel controls; ±12 dB EQ range per band; fluorescent spectrum-analyzer display; meter level adjustment; EQ recording capability. Black; 11 lb. $299

SR-50B Surround Processor/Amplifier
Features 5 surround modes including Dolby surround; adjustable time delay (5-30 ms); bass extension; A-B speaker switching. 25 W/ch min rms into 8 ohms from 20-20,000 Hz with less than 0.01% THD $349

GE-30B 10-Band Graphic Equalizer
10-band independent L/R-channel EQ with side-by-side controls. Features independent L/R output level control; subsonic filter; EQ on/defeat switch; tape monitor with EQ rec. Cut/boost ±12 dB; center frequencies at 30, 60, 120, 240, 480, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; S/N 105 dB; FR 10-35,000 Hz ±0.5 dB. 17.12 x 4 x 9.12 in; 6.3 lb $169

GE-20B 10-Band Graphic Equalizer
10-band independent L/R-channel EQ with side-by-side controls. Features independent L/R output level control; EQ on/defeat switch; tape monitor with EQ rec. Cut/boost ±12 dB; center frequencies at 30, 60, 120, 240, 480, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; S/N 105 dB; FR 10-35,000 Hz ±0.5 dB. 17.12 x 4 x 9.12 in; 6.2 lb $149

PRICES LISTED

are manufacturers' suggested retail prices
(also referred to as *list* prices);
actual selling prices are set by individual dealers.
All prices are subject to change without notice.



ACE AUDIO

4100-X-24b Infrasonic/Ultrasonic Filter
Active filter designed to eliminate infrasonic (turntable and record) noise and ultrasonic (RF, high-frequency noise, etc.) interference. Infrasonic rate 24 dB/octave below 20 Hz; ultrasonic section rate 12 dB/octave above 20,000 Hz. Distortion 0.002% at 2 V output $142

4000-X-24 Super Infrasonic Filter
Combined active Bessel and passive filter sections provide low phase shift and an ultra-sharp cutoff (24 dB/octave); removes all infrasonic disturbances; individually hand-calibrated. Distortion 0.002%; response <3 dB at 20 Hz (24 dB/octave) $132

4100 Infrasonic/Ultrasonic Filter
Active filter with infrasonic section rolloff 18 dB/octave below 20 Hz; ultrasonic sction rolloff 12 dB/octave beyond 20,000 Hz; IMD 0.002% typical, 20-20,000 Hz $108

4000b Subsonic Filter
Low-frequency filter with 4 rear-panel connectors providing 18 dB/octave rolloff at 20 Hz or below, <3 dB. For use with direct-coupled receivers, amps, and/or subwoofers. IMD 0.01% at 1 V output; input imp 47 kilohms; output imp 150 ohms; min output load 10 kilohms; hum and noise <86 dB; 6 x 4.75 x 2.25 in $98

3900 Ground Liminator
Designed to break up ground-loop faults in connecting cables, thus reducing hum; employs passive circuitry $21
Kit $16

ACOUSTIC RESEARCH

AR SRC Stereo Remote Control
Remote control system compatible with all component audio systems features 8-bit custom programmed microprocessor and 15-function hand-held remote module. Operating distance 40 feet nominal. Remote functions include system on/off, volume control, balance control, −20 dB mute, full audio mute, source switching via remote tape monitor, left/right speaker comparison, sleep timer, full memory of control settings with power off. Inputs for main, tape monitor, and EPL (external processor loop) return; outputs for main, tape record, and EPL send; indicators for power on, balance centered, and EPL selected. Attenuation range 0-75 dB plus full-off (>85 dB) in 1.5 dB steps; noise 95 dB below 1 V rms, A-wtd; noise decreases with increasing attenuation; THD <0.01%, 1 Vrms, 20-20,000 Hz; FR 6-60,000 Hz ±0.25 dB; phono cables, battery and instructions included $189.95

ACOUSTIC SCIENCES

Tube Trap Acoustical Treatment System
System for reducing room resonance. Corrects low-end phase distortion; damps standing wave room resonances; reduces room resonance Q response; equalizes low-end RT-60 decay constants; each 3" tube contains 15 sabines at 60 Hz; light weight.
Sets
11" x 6', trap set $807
T x 6', trap set $705
T x 5', trap set $652
9" x 6', trap set $589
16" x 5', ¼ round set $388
11" x 5', ½ round set $353
9" x 5', ½ round set $271

Components
16" x 3', Supertrap $383
16" x 3', trap $300
16" x 2', trap $269
11" x 3', trap $186
11" x 2', trap $159
9" x 3', trap $134
9" x 2', trap $110
16" x 5', ¼ round $197
16" x 3', ½ round $195
11" x 5', ½ round $164
9" x 5', ½ round $124

ADCOM

GFS-3 Speaker Selector
Handles up to 3 pairs of speakers with built-in load protection for low-imp loads; headphone output; Twist'n'Lock speaker connectors for heavy-gauge speaker wire. Can be used with amps rated up to 200 W/ch. 2.75 x 7 x 5.25-in $99.95
GFS-6. Similar to above except handles up to 6 pairs of speakers $159.95
GFS-6W. As GFS-6 with white front panel $209.95
GFS-6S. With silver front panel $209.95
RM-3. Optional rack-mount adaptors for GFS-6 ..... $20/pr
RM-3W. RM-3 in white $25/pr
RM-3S. RM-3 in silver $25/pr

GFS-4. Gold plated, brass 5 way binding posts, glass fiber epoxy printed circuit board. Oxygen free copper internal jumpers made with #12 AWGstranded cable Handles 4 pair of speakers; black $150
GFS-4. White $200

SLC-505 Straight Line Controller
A/V switch box with inputs for 2 VCR's (with dubbing capability),AUX, tape, DAT, tuner, and CD. Level and balance switch; single master circuit board with copper plating on both sides; Ground screw; black $160
SLC-505. White $290

ACE-515 Line Enhancer
7 AC inputs, 2 switched 3 prong 1500 W max, 1 unswitched 3 prong 300 W max, 4 unswitched 2 prong 300 W max. Protection reset circuitry (15 amp circuit breaker), LED indicators for "delay on/off". Output amplifiers 10 amps. max per pole continuous, accessories 2.5 amps. max continuous; 3 x 17 x 5.94; 6 lb; black $180
ACE-515. White $230

a/d/s/

B3 Storage Module
Stackable wooden cube divided into 3 sections by 2 vertical dividers. Tambour door in front slides up into top of unit. Each section holds about 33 LP's (about 99 total per unit). With optional 12-slot trays, each section holds 24 compact discs (72 total per unit) or 36 cassettes (108 total per unit). Single unit can hold 33 LP's in 1 section, 24 CD's in second, and 36 cassettes in third. Length and width matches measurements of Atelier components. Black or white $249.00
B4. Similar to B3 except open front with adjustable shelf $169.00

ALLSOP

7500 DAT Cleaning System. Wet/dry system, cleans heads and tape path, deluxe storage case ... $29.95

71200 Deluxe Cassette Deck Cleaner. Wet system, cleans heads, capstan, and pinch roller. Auto reverse, refill kit included; deluxe carrying pouch .. $15.95

6500 Camcorder Cleaner. 8mm camcorder cleaner with wet/dry system, patented ribbon $14.95
6900. Same as above for VHS-C camcorders $14.95

6100 VHS Cleaner. Cleans heads, tape path, and tape drive; wet/dry system; patented ribbon $14.95

50000 CD Cleaner. Radial cleaning, uses lint free cotton pads and special solution, gear driven disc rotation $9.95

55000 Orbitrac Record Cleaning. System rotates from records center hole/spindle, uses lint free cotton pads and special solution $9.95

60000 VHS Cleaner. Cleans heads, tape path, and tape drive; wet/dry sytem patented ribbon .. $9.95

71300 Cassette Deck Cleaner. Wet system. Cleans heads, capstan, and pinch roller; autoreverse; refillable $7.95

70000 Cassette Deck Cleaner. Wet system. Cleans heads, capstan, and pinch roller; autoreverse. $5.95

AUDIO DESIGN ASSOCIATES

System Basics
Switching systems for multiroom applications. Includes remote controls and enables system use from several areas.
System 88. Covers 8 rooms. Features room on/off, system off, volume, balance, one-button 8-source selection, one function control per source, LED readout $7665
System 48. Covers 4 rooms. Features room on/off, volume up/down, bass, treble, 8-source selector, one function control per source, LED readout, direct source access $6,546
System 10. Covers 8 rooms. Features room on/off, system off, volume, balance, 2-source selection, one function control per source, LED readout, expandable to another zone $4,840
System 1. Covers 8 rooms. Features room on/off, system off, volume, balance, one-source selection, one source function control, LED readout, expandable to another zone $3,227

ISO-2 Line-Level Isolation Amplifier
Active, differential unity-gain amp with differential input with ground isolation between the RCA inputs and outputs. Can be used to eliminate audible hum due to ground loops and it is capable of driving long line-level wire runs. 2 x 3 x 4 in $395

ACC-1 Low-Voltage AC Controller
Power switching device for AC sources. Provides low-voltage control of AC power. Features 2 grounded receptacles; 2 control inputs. Capable of allowing separate systems to share a common component; provides switched AC power for remote applications; AC relay..... $395

CCS-2 Speaker Source Selector
Current-controlled speaker source selector. AC current sensing device that provides a switched outlet and allows a pair of speakers to be used with two amplifiers..... $495

ACS-2 Speaker Source Selector
AC-controlled speaker source selector. Features switched outlet..... $395

LLS-2 Line-Level Audio Switcher
Audio switching device which features two stereo line-level inputs and one stereo output. Allows separate systems to share a component, can be used to switch input to an amplifier from a multi-room system to a local one, and can be used to add a seventh source to a six input preamp..... $395

AUDIOQUEST

Profile Pro-Lift
Damped cueing device can be tripped to a tonearm and allows manual turntables to act as if it were semiautomatic..... $45

AQ Sorbothane Big Feet
Set of four 2.5″ diameter, 1″ high sorbothane feet to absorb vibrations..... $40

AQ Sorbothane Record Mat
0.12″ sorbothane record mat absorbs vibrations from the vinyl..... $39

AQ Sorbothane CD Feet
Set of four 2″ diameter, ¾″ high sorbothane feet $25

AQ Record Brush
Over one million conductive carbon fibers small enough to enter the groove of the record..... $15

AUDIO RESEARCH

MCP-2 Solid-State Pre-Preamplifier
Analog Module pre-preamp boosts output of MC cartridges for input to preamps. Features front-panel selectable loading for MM cartridges; front-panel selection of MC gain and imp; fully balanced and regulated circuitry. FR DC-80,000 Hz ±0.25; harmonic distortion <0.005% at 1 V rms output from 20-20,000 Hz; MC noise >100 nanoV at 10 ohm input RIAA equalized; 3.5 x 19 x 8.5 in..... $1,395

EC-21 Electronic Crossover
Vacuum tube, 2-way electronic crossover (passive top) with auto-muting..... $995

RMV-3 Rack-Mount Ventilator
Passive convection unit to allow proper air flow to dissipate heat. For all Audio Research units.. $150

RFP-1 Rack-Mount Filler Panel
Available in 3.5″, 5.25″, 7″, or 10.5″ heights... $79
RFP. Rack filler panel - 1.75″ (no handles).... $49

218. EC-21 18 dB capacitor kit (specify frequency$21
216. EC-21 6dB capacitor kit (specify frequency)$15

Wire Products by Audio Research range in sizes from 0.5 - 9 meters

LitzLink Interconnects
3.0 meter unshielded..... $230
shielded..... $275
SGL Speaker Cables. 3.0 meter..... $219
LitzLine Speaker Cable. 3.0 meter..... $555

AUDIOSOURCE

RTA-ONE Real-Time Analyzer
Hand-held real-time analyzer and SPC meter with built-in calibrated electret condenser microphone. Features 10 single-octave bands; 90 level LED's; LED's for power, low battery, overload. 1 lb without batteries; 6.69 x 3.88 x 2-in..... $250

PNG-ONE Pink-Noise Generator
Battery-powered pink-noise generator..... $55
AC adaptor..... $15.95
Carry bag..... $34.95

LLC-1 CD Laser Lens Cleaner
Digitally encoded CD with built-in, man-made, carbon fiber impregnated cleaning brush.. $29.95

AUDIO-TECHNICA

AT605 Audio Insulator System
Vibration-damping feet for use under speakers or turntables to prevent acoustic feedback; individually adjustable height. Supplied in set of 4, with bubble level..... $35.95

AT618 Disc Stabilizer
Solid brass disc with rubber coating designed to damp out sound-coloring resonances. Fits over turntable spindle..... $29.95

AT6015 TechniClean
Audiophile record maintenance system cleans record surface and reduces static..... $25.95
AT6016. Deluxe stylus cleaning system with enclosed fluid container..... $15.95
AT613. TechniClear record cleaner replacement fluid. Removes dust, dirt, and oily finger prints without promoting static. 60 cc..... $4.50
AT613/500. 500 ml refill..... $12.95

AT609 Headshell Wire Set
Replaces original headshell wiring; set of 4 color-coded connectors made of silver litz wire and gold plating..... $11.95

AT607 Stylus Cleaning Formula
Cleaning solution dissolves foreign material on stylus without harming known stylus adhesives; in bottle with stylus brush..... $4.95

AT608 Record Care Formula
Dissolves fingerprints, loosens stubborn particles, reduces static bond of micro-dust, airborne material. Nonalcoholic; use directly on fibers of conventional brushes; 2 oz..... $4.50

AC-TP4 Terminal Pins
Set of 4 gold-plated terminal pins with color-coded insulators..... $2.99

AC-TP4 Spade Lugs
Set of 4 gold-plated spade lugs with color coded insulators..... $2.99

Vital Link Cable Series
AT620 Super Conductivity Cable Set
Litz wire construction with double shielding and gold-plated connectors; for low imp and max rejection of RF interference; set of 2..... $35.95

Full Audio Transfer Speaker Cable
Speaker cable made from oxygen-free copper. Available in large diameter and extra-heavy diameter gauges.
AXD-30. 30 ft; extra heavy diameter; stereo pair; spooled..... $22.95
AXD-50. As above, 50 ft..... $33.95
AXD-500. As above, 500 ft..... $.60/ft
ALD-30. 30 ft; large diameter; stereo pair; spooled..... $9.95
ALD-50. As above, 50 ft..... $13.95
ALD-500. As above, 500 ft..... $.22/ft

Full Audio Transfer Interconnects
Features oxygen-free copper; potted terminations; gold-plating.
AC122-A1. 2-in, 2-out, RCA, 1 meter..... $11.95
AC122-A2. As above, 2 meters..... $15.95

BASF

Ferro Extra I Car Case
Cushioned, fully-lined vinyl case holds 10 cassettes; Ferro Extra I is housed in a protective shell specifically designed for sound on the move, and can withstand temperature extremes from -22°F to 185°F.. $9.95

BIB

A-616 CD Cleaner
CD cleaner features molded disc tray; chamois-covered cleaning pad/wheel; cleaning fluid; CD eject lever; chamois cleaning brush..... $14.95

A-631 Multi-Media Storage Module
Holds a combination of CD's, or CD doubles. 5.13 x 5.13 x 1 in..... $4.95

A-611 CD Storage Module
Strong practical CD storage unit holds up to 10 CDs in their jewel boxes. Fingertip touch release system automatically ejects selected CD for easy removal. Interlocking modules can be expanded vertically or horizontally. Molded of strong ABS plastic. Wall or shelf mounting..... $4.59

A-612 Disposable Tape Head Cleaner
Disposable audio head cleaner for all types of cassette players. Nonabrasive cleaning fluid applied by push-button cleans entire tape path. Use twice (once each side) then dispose..... $1.79

BOULDER AMPLIFIERS

Balanced Cables
Gold-plated 3-pin male to 3-pin female.
CB75. 75 ft..... $199/pr
CB35. 35 ft..... $119/pr
CB12. 12 ft..... $73/pr

Audio Interconnect Cables
Gold-plated RCA-type phono; for general interconnection
CA01. 8-inch..... $49
CA03. 3-foot..... $57
CA06. 6-foot..... $69

Boulder Terminator
Speaker-cable termination network provides termination imp for frequencies where speaker cable must be treated as transmission line. Designed to eliminate reflections back down the speaker cable into amp for improved clarity..... $39/pr

BRYSTON

.4B Switch Box
High-level switching with gain/balance control. Features 4 inputs (CD player, tuner, tape, aux); 1 tape loop. 9 lbs; 1.75 x 19 x 9-in..... $550

Switch Boxes
No active components; designed for high-current applications.
3-Way. With headphone jack..... $199
2-Way. With headphone jack..... $130

TF-1 MC Cartridge Step-Up Transformer
Designed to provide sufficient voltage to any preamplifier from low-output MC cartridges. 2 x 3 x 4-in..... $500

10B Electronic Crossover
Front panel switching for control of filter settings, rolloff frequency, and slope. Low pass (and mid-range) level settings are 1 dB increments over a ±5

dB range. All amplification buffer and filter stages are discrete. All passive filter components are 1% metal-film resistors and polystyrene capacitors. Available fully balanced (in and out) or unbalanced .. $1,000

BUFF STUFF

CD Saver
Compact disc restorer eliminates audible pops and clicks caused by light scuffs and scratches on CD's and laser video discs. 30 milliliter bottle of formula is harmless to plastic coating on CD's and is good for dozens of applications $9.95

BUSH INDUSTRIES

Jamestown Collection
Units feature golden brown oak finish, solid oak molding; raised panel doors and drawers, soft-shaped pilasters, and brass hardware.
AV786. A/V center. Features 2 storage drawers; 4 shelves; tempered-glass doors. 50.31 x 53 x 20.4 in $359.95
AV773. A/V center. Features adjustable shelf; enclosed storage space; 2 drawers. 60 x 50.5 x 16.4 in $299.95
AV763. A/V center. Features 4-shelf component area; tempered-glass doors; enclosed storage area. 48.25 x 53 x 16.38 in $269.95
A666. Audio cabinet. Features one fixed, three adjustable component shelves; tempered-glass doors; casters. 47.56 x 22.25 x 16.38 in $159.95

Oak Elegants Line
Units have soft-shaped 2.5"-wide solid oak frames, oak veneer on sides and tops, multi-step finish with double-lacquer topcoat, brass accents on oak frames, through-glass brass hardware, concealed fasteners, safety-tempered solar-bronze-tinted glass doors etched with subtle silk-screen pattern, radiused plinth base. Ready to assemble.
AV1675. Full-sized entertainment center holds 27" TV; adjustable shelf; glass-enclosed storage with adjustable shelves. 49.25 x 49.9 x 20 in ... $529.95
A1665. Audio cabinet with adjustable shelves; 2 glass doors. 23 x 45 x 16 in $269.95

Furniture Systems Series
With rounded corners, soft-shaped tops, fully radiused shelf fronts with decorative accent lines, Library Oak finish, full-length solid-oak door pulls, cord openings in rear, 72" tall.
L139WS. Wood and glass doors; middle doors open 180° for TV viewing; 30 x 19.4 in $269.95
L132WS. Audio cabinet with wood and glass doors; 20 x 19.4 in $219.95
L134WS. Open shelving above wood doors; 30 x 19.4 in $199.95
L124WS. Wood doors; 15.4 in $169.95
L121WS. Wood doors; 15.4 in $149.95
L123WS. Open shelving; 15.4 in $149.95

AV1375 Deluxe Home Entertainment Center
A/V center with 25" h x 27" w TV compartment; adjustable VCR shelf; glass-enclosed storage with adjustable shelf; 20.25"-W glass-enclosed audio area with 3 adjustable shelves; silk-screen pattern on glass doors with wood frames. Solid oak and oak laminates with multi-step laquered finish. Rounded edges; soft shapes. 49.5 x 47.62 x 19 in; 180 lb $399.95

AV774 Room Divider/Entertainment Center
2 drawers below TV compartment; 4 adjustable bottom doors; wooden door handles; rounded edges on frame; shelving; drawers and doors. Library-oak finish. Cords run through center partition. 49 x 69.5 x 15.5 in; 180 lb. $259.95

AV760 Deluxe Audio/Video Center
TV compartment for 26" or 19" TV; safety-tempered glass door; 3 adjustable shelves; enclosed space for accessories; pedestal base; adjustable shelf above TV compartment. Library-oak finish. Soft-shaped tops and rounded edges. 47.36 x 47.25 x 15.5 in; 145 lb $229.95

B929 Armoire Audio/Video Center
Designed for bedroom. Features rear-cord access; 2 sets of double doors; can also be used for clothing; Library Oak finish; wood handles with brass end caps. 55 x 30 x 19.5 ..... $199.95

A1365 Audio Cabinet
22"-W interior glass-enclosed facade with silk-screen pattern and wood frames; 2 adjustable interior shelves; hand-stained and chiseled accent lines; rounded edges and soft-shaped design. Solid oak and oak laminates with multi-step lacquered finish. 23.5 x 42.25 x 16.5 in; 78 lb $199.95

AV757 Audio/Video Center
A/V entertainment center. Features space for several audio components, a VCR and TV; tempered-glass doors; enclosed storage area; simplified assembly system. 43.75 x 47.25 x 15.38 in $179.95

A641 Audio Cabinet
Audio cabinet with safety-tempered glass door features 2 adjustable shelves; soft-shaped lift top; 2-wheel casters. Library oak finish. 18.88 x 38.62 x 17.5 in; 58 lb. $119.95

CALRAD ELECTRONICS

Gold-Plated RCA-to-RCA Cable
18-kt gold-plated connecting cable. Features ultra-low loss shielding; gold-plated steel springs.
55-803. 10-ft. long $13.20
55-802. 6-ft. long $11.25
55-800. 3-ft. long $9.90

55-860 4 RCA Plug Cable
4 RCA plugs on each end; 15 ft. $10.65

RCA-to-RCA Cable
Dual shielded stereo audio cable; polarized.
55-1001. 240" cable $5.10
55-1000. 120" cable $3.54
55-998. 48" cable $2.61
55-999. 72" cable $2.85
55-923. 36" cable $2.40
55-924. 12" cable $2.25

55-968 Speaker Cable
2 20-foot speaker cables. Lug terminals $3.60

CANTON

Connect Series Switchboxes
Connect 50. Handles 1-4 pairs of speakers; DIN and phono jack; headphone outputs. Features volume controls for adjusting channels 2 and 4; connection to output of amps, receivers; DIN speaker jacks . $125
Connect 20. Switchbox for 1-3 tape decks or 2 decks and 1 high-level signal source. Features left/right regulators to reduce signal levels before recording; 5-pole DIN jacks $80
Connect 10. Similar to Connect 20 except designed for 1-3 pairs speaker switching. Features standard DIN speaker jacks $70

Cantosweep
Record-care brush with antistatic carbon bristles. Removes static charges, dirt particles. $30

Cantolink Speaker Cable
60. Premium-quality 60-mm speaker cable $2.74/ft
40. Premium-quality 40-mm speaker cable $1.52/ft
25. Premium-quality 25-mm speaker cable $1.07/ft
15. Premium-quality 15-mm speaker cable $0.88/ft

CARRY DISC BY MUSIC & SOUND IMPORTS

Carry Disc CD Holder
Holds 14 CD's in a quick open-and-close carrying case with a protective inner lining of soft velour $15.95
Carry Disc II. Same as above but designed for use with 3" CD's $15.95

CARTER-CRAFT

60-437 CD Carry-All
Holds 6 CDs without cases. Storage plates fan when case is opened with the slide button. Black, hinged case $20.49

60-409 CD Cleaning Kit
Includes cleaning solution $19.95

60-355G Stereo to Stereo Dubbing Kit
Use for dubbing from stereo VCR to stereo VCR. Coded plugs for correct input/output; strain reliefs; 6 ft cable $19.10

60-357G Stereo to Mono Dubbing Kit
Use for dubbing from stereo VCR to mono VCR. Coded plugs for correct input/output; strain reliefs; 6 ft cables $18.39

60-416 CD Storage Case
Auto eject and add-on unit holds 5 compact discs. Stackable modular design allows expansion of storage system $13.65

60-436-3 3" CD Adaptor
3" CD adaptor permits playing of 3" CDs on regular CD equipment. Grooves permit secure fastening of the 3". 3-Pack $9.90
Single $3.80

60-435 CD Storage Case
Holds 20 CDs in cases; permits fast viewing of front, backside or spine of disc case $5.50

60-434-3 Lift Lock DeLuxe CD Storage Case
Pops up disc as case opens, center lock will unlock/lock CD automatically when case is opened/closed. 3-Pack $5.45
Single $2.20

Soft-Touch Cassette Storage Cases
Storage cases eject tapes by touching drawer front.
40-218. Portable with carry handle stores 12 tapes $40.45
40-217. Auto unit padded all around for safety, impact, heat resistant. Holds 6 cassettes. ... $35.65
40-216. Expandable unit holds 6 tapes and is expanded by purchasing additional units $21.35

60-419 CD Converter
Converts automotive sound system to digital sound with cassette adaptor. Plugs into portable CD output/headphone jack and adaptor inserts into auto cassette player $24.75

34-155 Deluxe AC Adaptor
U.L.-approved AC/DC adapter for 3, 4.5, 6, 7.5, 9, and 12-V battery-operated components. Features universal 5-way plug. Includes built-in reversing feature. 1.5 lb $12
34-157. As above with 300/100 mA conversion switch $10.95

40-158 Tape Care Kit
Features chemical cleaners and lubricants for heads, guides, and capstans. For use with auto and home tape decks. Includes 1 bottle each of cleaner and lubricant, a supply of swab-style Kleen Stix, and a specially treated cloth $7.55

40-130-C Cassette Head Cleaner/Demagnetizer
Cordless cassette head cleaner and demagnetizer removes dirt and residual magnetism without use of any current. For home and auto cassette decks $4.90

40-126 Cassette Head Cleaner
Includes cleaning fluid $4.10

60-415. Clear, hinged, individual jewel case for CD storage..... $2.60
60-415-3. Jewel case 3-pack..... $5.45

Speaker Wire
2-conductor, 24-, 20-, or 18-gauge wire for hook up to 8-ohm speakers. Features clear-plastic insulation.
32-150. 25-ft length, 24 gauge..... $2.60
32-152. 50-ft length, 24 gauge..... $4.05
32-154. 100-ft length, 24 gauge..... $6.15
32-155. 1,000-ft length, 24 gauge..... $52
32-156. 50-ft length, 20 gauge..... $5.75
32-158. 100-ft length, 20 gauge..... $10.95
32-159. 50-ft length, 18 gauge..... $7.94
32-157. 100-ft length, 18 gauge..... $15.10

Connection Cables
Dual, color-coded stereo cable with RCA phono plugs on all ends.
60-342G. 12-ft gold-plated plugs..... $6.65
60-340G. 6-ft gold-plated plugs..... 5.20
38-143. 12-ft..... $4.60
38-142. 6-ft..... $3.25
38-141. 3-ft..... $2.55

CARVER

MCt Moving-Coil Transformer
Matches low output of MC cartridge to standard MM phono stage. Selector switch for 3.9, 39, 110 ohms for virtually any MC cartridge. Gain 24 dB; 1.5 lb. $129

CELLO

Speaker Stands
Granite..... $5,500/pr
Wood lacquer..... $2,500/pr
Oak..... $1,500/pr

CHICAGO SPEAKER STAND

Hercules Collection
Speaker stands with spiked feet and spiked metal plate.
25-910P. 25″ high. 9″ x 10″ metal plate... $160/pr
25-69P. 25″ high. 6″ x 9″ metal plate..... $160/pr
20-910P. 20″ high. 9″ x 10″ metal plate... $155/pr
20-69P. 20″ high. 6″ x 9″ metal plate..... $150/pr
15-910P. 15″ high. 9″ x 10″ metal plate... $150/pr
12-910P. 12″ high. 9″ x 10″ metal plate... $145/pr

Chicago Collection Speaker Stands
XLX-3000. 30″ high with spikes..... $110/pr
XLX-2000. 20″ high with spikes..... $110/pr
RJ-10. 10″ high without spikes or casters.. $85/pr
BB02. As above, 8″ high..... $50/pr

Black Vinyl Collection
Black vinyl speaker stands.
BV-25. 25″ high..... $60/pr
BV-20. 20″ high..... $55/pr
BV-15. 15″ high..... $45/pr
BV-25. 9″ high..... $45/pr

JSE Model 1
Speaker stand for JSE Model 1 speaker. With spikes and casters..... $110/pr

TC-50 Spica Servo Woofer Stand
Speaker stand for TC-50 Spica Servo Woofer. With spikes and casters..... $80

Quad Stand
For Quad speakers. With spikes and casters $400/pr

COUNTERFEET BY SUMIKO

Cone-Shaped Feet
To isolate components from mechanical disturbance.
C-3. For components and speakers; with double-thread tapped screws..... $6/ea
C-4. Tall Counterfeet for components and speakers; with double-threaded tapped screws..... $8 ea
C-37. Replaces feet of Sota turntables..... $12 ea
C-35. Replaces feet of Oracle turntables.... $15 ea
C-38. Replaces VPI turntable feet..... $12

COUNTERPARTS BY SUMIKO

System Mat
Record platter mat made from lead/barium energy-absorbing layer, anti-static treatment, polymethylmethacrylate base material, warp-reducing structural concavity. For use with record clamp only.... $95

CD Interface Mats
Clear plastic mats permanently adhere to label side of disc; contained-layer damping said to reduce vibration; protects from scratches that can damage data. 10 mats per package..... $10

CROWN INTERNATIONAL

Plug In Panel Accessories
Several optional modules are available. The following list is not intended to be all inclusive but only representative.
PIP-FMX
Plug-in panel with female to male XLR balanced bridging daisy chains (interconnects) the amplifier inputs. Features one lowpass and one high-pass filter. 6.37 x 1.87 x 3.87 in; 8.5 oz..... $25

PIP-XOV
Mono crossover/filter features multiple formats such as bi-amping, tri-amping with 12 dB or 18 dB/octave high/low-pass filters. 6.37 x 1.87 x 3.87 in; 8.5 oz $89

PIP-FXT
Balanced-to-balanced transformer isolated input from source to amplifier. Features plug-in panel with female XLR's and 1:1 transformers; center taps of transformers oriented to accomodate jumpers; one low-pass and one high-pass filter. 6.37 x 1.87 x 3.87 in; 8.5 oz..... $59

PIP-CLP
Overload detector features two female XLR type connectors; compressor range 13 dB nominal; input imp 20k ohms balanced; FR 20-20,000 Hz ±0.2 dB..... $69

CUSTOM WOODWORK & DESIGN

All Woodmore cabinets are handcrafted of select hardwood solids and veneers. Available in natural oak, dark oak, natural American walnut, and black oak, with matching shelves. Cabinets can be grouped or stacked to make complete entertainment centers.

Magic Lowboy Audio Cabinet
Concealed audio cabinet rises to user height by remote control. Fully enclosed. Max height 53″; closed, measures 47.25 x 34 x 19 in. $2,100-$2,400

Woodmore Record Cabinet
4 adjustable shelves; wood-veneer back; stacking accessory. 47.25 x 42 x 14 in..... $410-$550

Woodmore Glass-Lid Audio Cabinet
2 adjustable shelves; feather-light hinged lid; casters. 24 x 42 x 19 in..... $415-$525

Woodmore Lowboy Audio Cabinet
4 adjustable shelves. 47.25 x 30 x 19 in. $415-$515

Woodmore Audio Cabinet
3 adjustable shelves; casters. 24 x 42 x 19 in$335-$435

Woodmore Entertainment Table
Finished on all 4 sides; with wood base. 47.25 x 16 x 19 in..... $345-$430

Woodmore Smallboy Audio Cabinet
2 adjustable shelves. Comes with casters. 47.25 x 21 x 19 in..... $335-$420

30″ Woodmore Audio Cabinet
2 adjustable shelves; casters. 24 x 30 x 19 in$270-$345

21″ Woodmore Audio Cabinet
1 adjustable shelf; casters. 24 x 21 x 19 in$220-$270

Woodmore Doors
Wood Doors. 160x concealed European hinges and solid-wood pulls..... $90-$230
Rollwood. Veneered razor-sliced slats on wood track..... $160-$180
Glass Doors. With chrome, black, or gold hardware..... $30-$73
Drop Leaf. For 21″ Woodmore or Woodmore Smallboy..... $55-$64

Accessories
Outlet Strips and Boxes. Filtered and spike protected; 8-outlet strip; isolated..... $195
2-outlet box with indicator lamps (always on).. $70
Woodmore Speaker Stands. 9″, 15″, 30″; with adjustable spiked levelers..... $100-$140
CD Drawer. Holds 81 CD's; 7.5″ h..... $90-$110
Rack Mount. With wood rails, metal channels, hardware to mount 5 units..... $87-$100
Cassette Drawer. Holds 72 cassettes; 4.5″ h $80-$90
Slide-Out Shelf. 2.5″; extends 10″..... $72-$80
Wood Back. Custom slotted at additional cost $32-$55
Cabinet Lights. With matching wood rail; 0.75″ h; includes cord switch..... $40-$47

Stacking Rails and Bases
Solid wood accessories for stacking units into wall systems; with leveler brackets and adjustable levelers; rails 0.75″ h; bases 1.75″ h..... $22-$130

DB SYSTEMS

DB-4B MC Pre-Preamplifier
MC-cartridge pre-preamplifier with low-noise cascode amps, diode-protected inputs. Features internal low/medium/high gain switch. THD 0.0008% 20-20,000 Hz at 1 V; noise -86 dB at 1 mV; FR 10-100,000 Hz +0/-0.1 dB; input/output imp 9k ohms, 2,000 pF/220 ohms; max load 10 kilohms, 3,000 pF; internally adjustable gain/sens/overload dB/40 ±V/45 mV high..... $205
With DBP-4 coupler and DB-2A power supply $275

DBP-11 Phono Capacitance Switch Box
Features front-panel-switchable 100-400-pF loading for 2 MM phono cartridges. Open position is provided. Phono jacks, plugs are gold plated..... $79.95
DBP-11MC. Similar to DBP-11 but with resistive instead of capacitive values. Includes 5-ohm load..... $79.95

DBP-2J/5 Passive Switch Box
Switching module with 10 input and 2 output jacks. Can be used for switching 5 turntables, tape recorders, amps, signal processors, etc. Allows for selectable cartridge loading when used with DBP-6 or 6MC. A-B comparisons possible with 2 Y-adaptors. Can be used for switching baseband video (not ch 3 or 4)..... $69.95
DBP-2JAU/5. Same as DBP-2J except jacks are gold plated..... $89.95
Optional Alps volume control installed in switch box..... $40

DBP-12X Audio Cable
10-meter length of low-capacitance (400 pF) stereo interconnect cable, terminated with premium DPB-13PX gold plugs..... $95
1-meter length..... $49

Gold-Plated Connectors
DBP-9AU. Banana plugs. 8 gold-plated.... $24.50
DBP-9H. Banana handles. 4 red, 4 black.... $3.50
DBP-9P. Gold-plated dual banana plugs (2 pk)..... $17.95
DBP-9J. Gold-plated dual banana jacks (2 pk)$17.95

DBP-13J. .25″ gold-plated phono jacks (8 pk)$15.95
DBP-13JR. .36″ gold-plated phono jacks (8 pk)..... $29.95
DBP-13P. Gold-plated phono plugs (8 pk) . $17.95
DBP-13PM. Gold-plated phono plugs, 4 red, 4 black $29.95
DBP-13PX. Gold-plated phono plugs (2 pk) $19.95
DBP-14. Gold-plated spade lugs (8 pk) $5.95
DBP-15. Gold-plated Y-adaptors (2 pk).... $12.95
DBP-16. Gold-plated 12 dB input attenuators$12.95
DBP-17. Gold-plated phono coupler (2 pk). $12.95

DBP-6 Phono Equalization Kit
Permits adding 100-400 pF of capacitance to phono input of any preamp or receiver. Consists of 2 Y adaptors, set of gold-plated phono plugs with polystyrene capacitors wired to give 100, 150, 200, 300, 400 pF. Resistive load (1%) included for experimenting with MC cartridges plus pair of empty plugs for making custom values..... $36.95
DBP-6MC. Similar to DBP-6 except for use with moving coil cartridges. Loads are 1%; metal-film resistors. Two empty plugs included..... $36.95

DBP-10 Phono Alignment Protractor
Accurately measures lateral tracking error of mounted phono cartridges to within 0.25°. Instructions provided to optimize geometry, set correct overhang for minimum error and distortion, useful when checking vertical tracking angle. Comes with carrying case $24.95

DBP-CK Cramolin Audio Kit
Contact cleaning system. Dissolves and prevents oxide formation. Reduces noise and distortion$19.95

DBP-VSP Voltage Spike Protector
Plug-in power line adaptor limits voltage surges that can damage solid-state components $14.95

DBP-SC Souther Clever Clamp
Lightweight clear record clamp. 23 g $10

dbx

Model 400XG Program Route Selector
Rack-mountable powered switching box has same capabilities as below except dubbing can be interrupted by sound processors and/or encode/decode side of NR unit. Lighted pushbuttons show program route $279

Model 200XG Program Route Selector
Rack-mountable passive switching box has inputs/outputs for 3 sound processors, 1 NR unit, and 3 tape decks. Facilitates direct dubbing between any of the decks $149

DENNESEN ELECTROSTATICS

Pivotram
Locates proper spot on turntable chassis for drilling tonearm mounting hole. Made of aircraft aluminum. 1 lb; 12 x 3.3-in $100

Sound Tractor
Phono cartridge alignment protractor gives proper distance and offset angle for any pivoted in one simple step. Made of aircraft aluminum. 1 lb; 12 x 2 x 3..... $100
Same unit but made of plastic..... $35

Polaris FM Antenna
Indoor FM antenna. Totally passive, yet has as much as 14 dB more signal gain than dipole antenna normally used. Includes coax cable and balance. 1 lb; 18 x 2 x 2 ..... $40

DENON

RC-605 Programmable Remote Control
130 programmable keys shared by two programs. Also stores signals of other remote controls... $120

D.G. INDUSTRIES

Compact Disc Storage
Stackable plexiglass CD tray. Features storage of 29 CD's; tilts discs for easy reading of titles . $29.95 ea

DISCRETE TECHNOLOGY

Platimum Plus Speaker Cable
Uses 7 individual cables for each speaker; features spiral twist; protective braided tubing; silver-plated oxygen-free copper conductors; assembled by hand; minimum of 30 amps DC current handling capability.
6-ft...... $650
8-ft...... $755
10-ft...... $875

Dreadnaught Speaker Cables
Made with pure silver-plated, oxygen-free copper wire. Each cable consists of two cables with a total of 20 multi-gauge individually-insulated solid conductors.
4-ft...... $225
6-ft...... $315
8-ft...... $395
10-ft...... $460

Power Bridge AC Line Cable
Filters broad-band RF from being fed back into the AC lines and then into other components. 20 silver-plated oxygen-free conductors; PVC jacket; 2-prong male plug.
Power Bridge II 8-ft..... $200
Power Bridge II 6-ft..... $170
Power Bridge I 8-ft..... $120
Power Bridge I 6-ft..... $100

Platinum Interconnect
Made with pure silver, multi-stranded, braided shield and pure silver-plated oxygen-free copper inner conductors.
.5-m...... $135
1-m...... $150
1.5-m...... $165
2-m...... $180
2.5-m...... $195
3-m...... $210
4-m...... $240
6-m...... $300
10-m...... $420

312C Speaker Cable
Phase-aligned multi-gauge speaker cable. Features silver-plated copper inner conductor; dielectric teflon insulation; spiral twist.
4-ft...... $125
6-ft...... $150
8-ft...... $175
10-ft...... $200
12-ft...... $225
15-ft...... $260

Balanced Line Silver Plus Interconnect
Phase-aligned multi-gauge interconnect. Features silver-plated copper inner conductor; dielectric teflon insulation; spiral twist; full-foil shield; heavy PVC outer jacket.
.5-m..... $112.50
1-m..... $125.50
1.5-m..... $137.50
2-m..... $150.50
2.5-m..... $162.50
3-m..... $175.50
4-m..... $200.50
5-m..... $225.50
6-m..... $250.50
7-m..... $275.50
8-m..... $300.50
9-m..... $325.50
10-m..... $350.50

Balanced Line Blue Interconnect
Phase-aligned multi-gauge interconnect. Features silver-plated copper inner conductor; dielectric kynar insulation; drain line; spiral twist; full-foil shield; heavy PVC outer jacket.
.5-m..... $83.50
1-m..... $89.50
1.5-m..... $95.50
2-m..... $101.50
2.5-m..... $107.50
3-m..... $111.50
4-m..... $128.50
5-m..... $141.50
6-m..... $154.50
7-m..... $167.50
8-m..... $180.50
9-m..... $191.50
10-m..... $219.50

Sound-Sorber Panels
Sound-absorbing panels made of acoustic molded foam. Feature total noise reduction factor of .90; absorbs down to 100 cycles; breaks standing waves when installed in corners; diffuse with used on rear wall; fire retardant; odorless. Available in 9 different colors..... $7/sq. ft.

The Lug
High-performance lug for use with speaker cables. Features construction with oxygen-free long-molecular copper plate with conductivity-enhancing alloy; 35° angle; color coding..... $7

DISCWASHER

DiscKit Record Care
Contains D4+ record-care system, Zerostat antistatic instrument, SC-2 stylus-care system housed in DiscOrganizer..... $$59.95

Discset
Provides essentials of record and stylus care; includes D4+ record-care system, SC-2 Stylus Care System in milled walnut base..... $24.95

Zerostat-3
Anti-static instrument neutralizes static charges on virtually any surface; works without coating by showering surface with millions of positive and negative ions..... $29.95

Discwasher Compact Disc Cleaner
Includes a CD cleaning unit, CD-1 cleaning fluid, cleaning pad grooming brush and replacement cleaning pad. 14 oz..... $19.95
CD-1. 6-oz. fluid refill..... $10.95
CD-1. 1 oz fluid refill..... $3.95
CD Cleaner Replacement pads...... $4.95

CD Storage System
Lightweight, durable unit stores up to 20 CD's in their jewel boxes. Designed to allow user to flip through CD's stored in unit. Can be wall mounted. 6 x 2 x 14.75-in $19.95

D4+ Record Care System
Safe record-cleaning system designed to remove contaminants without reducing record fidelity. Consists of D4+ fluid that lifts, suspends contaminants; soft-fiber pad with hand-milled walnut handle to remove debris and dry record; DC-1 pad-cleaner brush..... $16.50
1.25 oz replacement fluid $2.50
6 oz replacement fluid..... $9.95
16 oz replacement fluid..... $16.95

D'Stat II Mat
Turntable mat reduces static charges on contact, provides cushion to reduce sonic, mechanical feedback between record and turntable platter... $8.50

SC-2 Stylus Cleaner System
Includes scientifically safe cleaning fluid, precision nylon-fiber brush designed to safely remove stylus contamination. Brush has attached stylus-inspection magnifying mirror $8.50

V.R.P. Record Sleeves
Scratch-free record liner sleeves that prevent static charge buildup during record storage and removal from sleeve. Super smooth surface will not ooze plastic additives onto record; package of 10. . $3.50

Cables

Gold-ens Audio/Video Cables
Perfectionist cables for audio, video; provide ultra-low capacitance with heavy gold-plated connections with molded nylon insulating sleeves.
2-meter triple strand $23.95
1-meter triple strand $21.95
5-meter double strand $19.95
4-meter double strand $17.95
2-meter double strand $15.95
1-meter double strand $13.95

Tape Recording Accessories

D'Mag Cassette Deck Demagnetizer
Demagnetizes tape heads, capstans, and entire tape path. Requires no batteries or power cords . $19.95

Discwasher Tape Deck CareSet
Includes Perfect Path Cassette Head Cleaner and C.P.R. Capstan Pinch Roller Cleaner..... $12.95

C.P.R. Capstan/Pinch-Roller Cleaner
"Positive Drive" cleaning system for cassette decks designed to safely scrub pinch rollers, capstans with advancable cleaning fabric and harmless fluid $8.95
.34-oz. C.P.R. fluid refill $1.95

System II Cassette Tape Care
Combination head, capstan, and pinch roller cleaner for cleaning and maintaining all home and car cassette players. Nonabrasive dry fiber matrix tape safely removes dust and oxide buildups on heads and along entire tape path. Capstan, pinch roller cleaner with an advancable fiber-grid surface and specially formulated fluid removes tackiness and contamination from capstan and pinch roller assembly to prevent jammed and eaten tapes. With carrying case. 4 x 2.5 x 0.5-in $13.95
System II. As above without carrying case . $11.95

Perfect Path Cassette Head Cleaner
Nonabrasive dry system for audio cassette decks designed to remove oxides, and gummy residue along tape path and on tape heads $5.95

Cassette Storage Case (6-unit)
Constructed of rugged, water-resistant vinyl. Clear window lid and velcro-style clasp..... $7.95
12 Unit $14.95

DNM BY MUSIC HALL

Interconnect and Speaker Wire
Solid core; designed for enhanced clarity and depth..... $3/ft

Pre-Made Interconnects
.5 meter..... $75
1 meter $85
2 meter $100

ENTRE BY ANALOG EXCELLENCE

ET-100 MC Step-Up Transformer
Step-up transformer for MC cartridges. Can take 3 stereo connections at once with selection on front panel. 4-way switch on front panel for imp matching to MM cartridges..... $400

ESS LABORATORY

Dynaco VA-400 FM Antenna
Amplified FM antenna for home use. Features pyramid design for optimum reception..... $59.95

FINELINE DISTRIBUTING

Furniture Systems
Fineline Audio/Video cabinetry are finished inside and out with oak and oak veneers. All cabinets are modular and may be stacked for wall units. Veneered panels and shelves have a ¾" hardwood composite core. Shelves are rated to hold up to 125 lb. All cabinets now available with Protec Super Protectant on Oak or Satin Black Polurethane on Oak.

Audio + Video Cabinet. 1 fixed video shelf; 1 fixed, 2 adjustable audio shelves and dividers. 42 x 49.75 x 21 in..... $599

Tall Video Cabinet. 1 fixed, 1 adjustable shelf. 42 x 30 x 21 ..... $399

Super Monitor Cart
Holds direct-view TV's up to 39" wide; doubles as horizontal audio/video system cabinet; three adjustable shelves, two glass doors, five casters; 40.25 x 21 x 21 inches..... $350

Tall Audio Cabinet. 1 fixed, 2 adjustable shelves and record dividers. 42 x 20.5 x 21 in $339

Short Video Cabinet. 1 adjustable shelf $209

Short Audio Cabinet. 1 shelf and record dividers$220

GENEVA GROUP

PF-211 Professional Bulk Eraser
Erases reel-to-reel, cassette, 8-track cartridge tapes to noise level of virgin tapes. 2,300 gauss flux intensity. 2 x 3.5 x 5 in; 2 lb, 4 oz..... $65

VCR-205 Audio/Video Demagnetizer
Removes residual magnetism from heads and tape path parts. 290-gauss field intensity; vinyl covered probe won't harm heads. 9.25 oz $43

PF-412 Auto Stop CD Cleaner
Wet type CD cleaner featuring 20 sec. cleaning cycle, chamois type cleaning pad, straight-line cleaning pattern; and Discsafe Fluid Spray. Batteries in AC adaptor not included. Requires 4-AA batteries$39.95

PF-425 Disc Wipes
For cleaning CDs. Each package contains 70 pre-moistened, non-abrasive cleaning cloths containing Discsafe cleaning solution $5.99

Tape Splicing Blocks
Specially grooved to hold tape firmly during splicing. Features 2 deep slits for straight, diagonal cuts. Supplied with double-backed adhesive for mounting without drilling; stainless-steel cutter. 5.75 x 1 x 0.31 in.
PF-311. For 0.25" tapes..... $32.28
PF-312. For cassette tapes..... $32.28

PF-400 Compact Disc Storage Albums
LP-size storage unit for CD's. Each holds 4 CD's in clear plastic carrying case. 3-pack: holds 12 CD's total..... $14.95

Storex CD Stroage File
Drawer storage device with brake to keep drawers from falling out; 90 degree lid holder; labels easily viewed; each unit can be fitted together to form expanding storage system; matte black finish $8.50 each

QM-505 Cellular Foam Swabs
Package of 25 swabs, for cleaning audio, video tape decks..... $9.40

PF-570 Deluxe Tape Deck Kit
Audio head cleaner with pinch roller cleaner/revitalizer. 100% pure TF head cleaning solution. Safe for all decks. Can be used with QM-505 ..... $12.99

PF-116 Tape & Head Cleaner
Aerosol spray cleaner with extension tube to reach recessed parts. Safe for audio, video decks. 16-oz can..... $9.09

PF-562 Audio Cassette Head Cleaner
Cleans heads and tape path components in 5 sec. Features gold-colored metal hubs; nonabrasive cleaning tape; IP alcohol cleaning solution; standard cassette housing. 3.25 oz $7.99

QM-108 Tape/Head Cleaner
Liquid tape and head cleaner in 8-oz can.... $6.10

QM-103 Tape/Head Cleaner
Aerosol tape and head cleaner blasts loose oxides, dirt. Supplied with extension tube $6

PF-120 Audio/Video Splicing Kit
For editing and repairing audio cassettes, VHS and Beta videocassettes; splicing tape for 36 audio or 24 video splices; leader tape for audio cassette, VHS, Beta; with instructions..... $5.99

QM-102 Tape Head Cleaner
Liquid tape head cleaner in 2-oz bottle. Leaves no residue; can be used on capstans, pinch rollers$4.99
QM-122. Same as QM-102 but in 1.7-oz spill-proof bottle..... $4.20

PF-105 Mini Super Blast
Removes dust and dirt from hard-to-reach areas. 1.5-oz can $3.35

PF-870 Double RCA Jack
Connects RCA cables together in series for extra length $2.99

PF-860 Mini-to-RCA Adaptor Cable
For connecting pocket stereos (or anything with mini jack) to stereo system (or anything with RCA inputs)..... $2.99

PF-115 Electronic Cable Ties
20 reusable ties; each 5"; with pop locks; trimmable with scissors $2.29

Reel Tabs
Precut adhesive-backed Mylar or metal tabs for tape splicing, editing. Designed for use with Geneva splicing equipment.

0.25" Mylar Reel Tabs
QM-531. 1,000/pkg $111.39
QM-526. 200/pkg..... $23.39
QM-521. 50/pkg..... $7.56

Cassette Mylar Reel Tabs
QM-522. 50/pkg..... $6.68
QM-524. 50/pkg..... $9.22

GUSDORF

4570 Angela Oak Audio Cabinet
Features tempered safety glass; 2 adjustable interior shelves; hooded dual-wheel casters; removable record album dividers. 37.75 x 17.5 x 14.75 in.. $105

3370 Black Audio Cabinet
Chrome trim; tempered safely glass doors with magnetic catches; lift-up top for turntable; concealed casters; 2 adjustable shelves; ready to assemble with instructions and included tools. 39 x 19 x 18 in$159
3375. Similar to 3370 except in oak $149

2645 Oak Audio Cabinet
Oak solids with weathered oak finish; lift-up top for turntable access; tempered safety glass doors with magnetic catches; 4 adjustable shelves; ready to assemble with instructions and tools provided. Interior 18.6" w; outside 21.25 x 42.75 x 17 in $219.95
2745. Similar to 2645 except dark oak finish$219.95

4445 Golden Oak Audio Cabinet
Bronze-tone trim strip and hardware; rounded corners and moldings; smoked tempered safely glass doors with magnetic catches; 3 adjustable shelves; record dividers; assembly instructions and tools provided. Interior 15.5″ w; outside 20.4 x 48.6 x 19..... $149.95
4447. Same as above except with ebony finish $149

0145 Trendline Deluxe Speaker Supports
Black cushioned speaker stands; trimmed in chrome. Overall 14.25 x 13.75 x 12.62 in..... $55.95/pr
0148. Similar to abovie except in oak.... $55.95/pr

5945 Audio Cabinet
Autumn oak finish resists moisture and scratches. Features lift-up top; 3 lower internal shelves; push-to-open tempered safety glass doors. 43.5 x 19 x 15.37 in..... $229.95

HEYBROOK BY D'ASCANIO AUDIO

TPS Power Supply
Two-way electronic speed switcher with voltage line stabilizer and filter. For use with the Heybrook turntable or others using synchronous motors. 2 x 4.5 x 9 in; 4 lb..... $249

HBS-3 Speaker Stand
Loudspeaker stand designed for stable, rigid support. 4 adjustable pointed spike feet top and bottom. 13.36 x 10 x 11.36 in; 18 lb..... $139/pr
HBS-1. Similar to HBS-3 except 18″ tall.. $179/pr
HBS-P5. 20″ speaker stand..... $129/pr

HIGHPHONIC BY ANALOG EXCELLENCE

MC Step-Up Transformers
HP-T7H. For use with 15-40 ohm MC cartridges. Distortion <0.01%; 6 x 3 x 5-in; 4.4 lb ... $750.00
HP-T7L. Same as above except for 1-10 ohm cartridges..... $650
HP-T5. For 10-40 ohm MC cartridges. Gold finish; aluminum case. Distortion <0.02%. 6 x 3 x 4-in; 3 lb..... $495

HP-S5 Headshell
Gold finish; aluminum alloy with OFC copper lead wires; cartridge mounting screws go directly into fingerlift. 13 g..... $99

HUNT BY MUSIC HALL

EDA Carbon-Fiber Record Brush
Cleaning brush with carbon fibers supported by velvet pad to reduce effective length to 2 mm; filiments designed to track record grooves; center pad statically charged to lift dust..... $25

INNOVATIVE CONCEPTS

ProView CD File
CD multiple stack, side-by-side or vertically, file system. Holds up to 18 CD's in a vertical library; touch-release mechanism; highly durable plastic with black satin gloss finish..... $9.95

INTERNATIONAL COMPONENTS

VS4000E Stereo Audio-Video Control Center
Electronic Stereo control center. Features 4 inputs; 4 outputs; direct line stereo audio/video connectors; full independent switching to different inputs/outputs at the same time; LED indicators; 0.4 dB giant linearity at each output; gold-plated connectors; brushed black aluminum faceplate and extra shielded metal cabinet..... $207.36

Audio-Video Cables
Low capacitance, double-shielded, double insulated cables feature EM/RF interference rejection, signal transfer, and flexibility; clear PVC outer jacket, 24 Karat gold-plated connectors; and stranded center conductors.

A-VC1012G. RCA to RCA 12' cable..... $25.42
A-VC1006G. RCA to RCA 6' cable..... $17.24
A-VC1003G. RCA to RCA 3' cable..... $13.10
A-VC1112G. Quick ″F″ to Quick ″F″ 12' cable$25.42
A-VC1106G. Quick ″F″ to Quick ″F″ 6' cable$17.24
A-VC1103G. Quick ″F″ to Quick ″F″ 3' cable$13.10

Double RCA to RCA Patch Cables
Extra Heavy-duty gold end double RCA to RCA patch cables.

A-VC812G. 12' cable..... $14.42
A-VC806G. 6' cable..... $12.16
A-VC803G. 3' cable..... $10.16

A-HEC25 Headphone Extension Cable
Black coiled cable; 25' extended, molded plug and jack with stress relief..... $5.84

A-VC806GE Double RCA to RCA Patch Cable
Economy gold-end double RCA to RCA 6' patch cable separate video and audio cables..... $5.84

INTRACLEAN BY AMERICAN RECORDER TECHNOLOGIES

D-501 Cassette Demagnetizer
In cassette shell for insertion into decks.... $24.95

D-511 Wand Demagnetizer
Hand-held plug-in demagnetizer for heads, capstans, tape guides, other metal along tape path; auto shutoff when not in use..... $21.95

CD-101 Compact Disc Cleaner
Chamois-like brush; cleaning solution; disc holder..... $16.95
CD-102. Replacement cleaning pads..... $6.95
CD-103. CD cleaning fluid..... $4.95

C-911 Autoreversing Cassette Cleaner
In cassette shell; contains S-711 fluid to clean heads, capstan, pinch rollers; nonabrasive cleaning band; left pinch roller pad retracts for cleaning 3-head decks; automatically switches direction in autoreverse decks; replaceable pads..... $14.95
C-912. Replacement pad kit..... $3.95

S-711 Professional Head Cleaner
Halogenated hydrocarbons clean heads, capstans, pinch rollers; no alcohol..... $7.95

C-S1 Audio Cotton Swabs
6 long highly polished maple sticks; tightly wound tip mounted with solven-resistant glue..... $2.95

JVC

CK-50 CD Cleaner
Automatic CD cleaner features specially processed rotating cleaning pad; auto stop mechanism $49.95

VX100 CATV Antenna Control Unit
Enables direct reception of FM stereo supplied by cable companies. Can be used with several JVC receivers. Preset stations and control switch for cable/FM selection..... $40

CXM70 CD Magazine
Additional 6-disc magazines for JVC CD changers..... $20

KENWOOD

SRC-4000 Audio Rack
Basic series component cabinet features tempered smoked-glass front door; casters; record-storage compartment. 45.81 x 19.31 x 16.63 in..... $230

AT-56 Audio Timer
Features 24-hour clock-timer wtih 12 hour FL digital display; digital time adjust controls; sleep-timer setting from 1 min to 1 hour 59 min; two AC outlets..... $109

RC-100 Programmable Remote Control
Built-in control keys for Kenwood audio components and TV monitors. Features 58 programmable keys; infrared system..... $99

KINETIC AUDIO

Cabinets
Furniture-styled equipment/record/tape cabinets. Can be stacked; adjustable-height shelves or rack rails; walnut veneer over particle-board side panels.
EC-XL. 48 x 21 x 18in. Deluxe unit with plexiglas door, black dual-wheel casters..... $500.00
EC-L. 48 x 21 x 18 in..... $300.00
EC-M. 38 x 21 x 14 in..... $200.00
EC-S. 24 x 21 x 14 in..... $150.00

Speaker Stands
Straight or tilted speaker stands with dual-angle up/down capability and flat black satin finish.
S-L. Large..... $200.00/pr
S-M. Medium..... $150.00/pr
S-S. Small..... $125.00/pr

Stereo Amplifier/Line-Level Control
For bi/multi-amping, other amp level adjustments. Features 10k-, 25k-, 50k-ohm imp; phono jacks; connectors; mounting hardware..... $150.00

Stereo Amplifier/Speaker Selector
Switches 2 stereo amps into single pair of speakers or 2 pairs of speakers from single stereo amp. $150.00

KLYNE AUDIO ARTS

SK-2A Pre-preamplifier
Pre-preamplifier. for low output MC cartridges. Features ultra low distortion and high resolution design. Gain 24 dB; Bandwidth 0.8-350 kHz; adjustable high frequency contour; output imp 600 ohms $750

KOSS

Portable Stereo Speakers
Mini speakers designed to plug into headphone jack of a portable stereo system.
KSC/8000. Dual-amplified speakers. 2-250 mW/ch; 8.9 oz (w/o battery)..... $25/pr
KSC/5000. Mylar-covered diaphram driver and amplified power booster..... $16/pr
KSC/50. Features dual full-range transducers; 3.2 oz..... $10/pr

LASER BY SWIRE MAGNETICS

Tape Accessories
Audio Head Demagnetizer..... $19.99
Wet Head Cleaner..... $5.99
Dry Head Cleaner..... $1.49

LASERLINE BY CREATIVE POINT

CD-4800W Compact Disc Storage unit
Holds up to 48 CD's. Securing Release Mechanism locks disc in slot and releases disc cartridge at a touch.Genuine oak finish cabinet..... $59.95
CD-4800B. Same as above in black finish.. $49.95
AC-5400W. Same as above for storage of 54 cassettes..... $49.95
AC-5400B. Same as 5400W in black finish. $39.95

CD-2400 Compact Disc Storage Unit
Holds up to 24 CD's. Securing Release Mechanism locks disc in slot and releases disc cartridge at a touch. Made of impact-resistant, high-grade plastic. Modular design for adding additional units. 4.9 x 18.66 x 6.75-in; 3.59 lb..... $29.95

CD-1200. Same as CD-2400 except holds up to 12 CD's. 3.95 x 12.6 x 6.75-in; 2.15 lb..... $19.95
CD-800. Same as CD-2400 except holds up to 8 CD's. 4.9 x 6.4 x 6.75-in; 1.07 lb..... $9.95

AC-1800 Cassette Storage Unit
Holds 18 cassettes; impact-resistant, high-grade plastic; cassettes lock in place; stackable; nonskid feet; hinged door. 5.4 x 16.75 x 5.3-in; 2.42 lb... $19.95

THE LAST FACTORY

System Formula Series

Formula 1 Record Cleaner
For first play and deep cleaning; removes all surface deposits; cleans 60 records; microfiber applicators; 2 oz..... $13.95

Formula 2 Record Preservative
Stop record wear for two hundred or more plays; protects up to 60 records; 2 microfiber applicators; 2 oz..... $16.95

Formula 3 All-Purpose Record Cleaner
Cleans records without residue; lasts over five hundred cleanings; 2 microfiber applicators; 2 oz..... $8.95

Formula 4 Stylus Cleaner
Non-alcohol cleaner which removes all stylus deposits safely; several hundred cleanings; cleaning brush; applicator; 0.25 oz..... $7.95

Formula 5 Stylast Stylus Treatment
Extends stylus life up to 10 times normal; to be used before playing each record side; thousands of treatments. Comes with cleaning brush and applicator; 0.25 oz..... $19.95

Formula 6 CD Protection System
Cleans discs safely and protects them from minor scratches; smudge protectant; approx. 200 treatments; applicator and base..... $14.95

Formula 6 CD/Video Disc Cleaner-Treatment
Cleans discs gently and safely; protects read surface from minor scratches, abrasion, and fingerprints; approx 100 treatments; applicator handle, 4 cleaning pads; 1 fl oz..... $12.95

Formula 7 Cassette Head Cleaner
Cleans tape heads and tape-path rollers; two cassette mechanisms; exclusive formula. Comes in 0.5 oz bottle..... $13.95

Formula 8 Video Head Cleaner
Gentle, non-alcohol formula cleans surface, treats head, guides and drive components in VCR mechanism; wet/dry system using exclusive formula; available in BETA and VHS; approximately 50 cleanings. Comes in 0.5 oz bottle..... $19.95

Formula 9 Tape Head Treatment
Surface chemistry treatment for tape heads and guides; eliminates stick-slip and scrape-flutter; reduces distortion and noise; exclusive formula; over 100 treatments; 2 swabs; .25 fl oz..... $19.95

Formula 10 Tape Preservative
Increases media life up to 8 times; improves tape performance; reduces oxide shedding, dropouts, and deterioration; treats 35-50 1800' reel to reel tapes; 4 swabs; 2 fl oz..... $22.95

Combination Kits
See above for contents of each formula.
Formulas 1 and 2..... $27.95
Formulas 2 and 3..... $22.95
Formulas 4 and 5..... $24.95

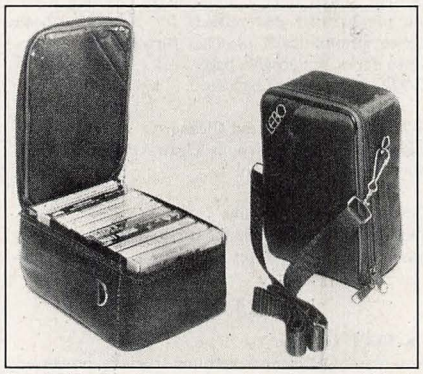
Trial-Size Kits
Formulas 1 and 3. 0.5 oz..... $7.95
Formulas 2 and 3. 0.5 oz..... $9.95
Formulas 1, 2, and 3. 0.5 oz..... $13.95

Microfiber Applicators
10 in each packet. White, gold or 5 of each . $12.50

LEBO

Voyager series nylon carry cases are water resistant and suitable for carrying a variety of personal accessories. Features include zippered openings; padded construction; adjustable straps. Various colors are available.

33260 Leather Tex Voyager. Two sided, soft carry case for 60 boxed or 96 unboxed cassettes; personal accessory pocket, detachable, adjustable shoulder strap and handle; removable inner tray; black imitation leather..... $35.95
25248 Jumbo Voyager. Nylon carry case for up to 48 CDs or personal accessories; can also store portable CD player and most camcorders; removable inner divider; two large zippered side pockets; detachable adjustable shoulder strap; red, black, victoria blue, gray..... $33.95
33230 Leather Tex Voyager. Soft carry case for 30 boxed or 48 unboxed cassettes; large accessory pocket; detachable, adjustable shoulder strap and handle; removable inner tray; black imitation leather..... $25.95
20030 First Class Voyager. For 30 boxed or 48 unboxed cassettes, with large personal accessory pocket, removable tray, detachable, padded shoulder strap, handle, color coordinated hardware; red, black, silver grey, victorian blue..... $22.75
21230 Custom Lite Voyager. For 30 boxed or 48 unboxed cassettes, with large personal accessory pocket, removable tray; red, black, silver gray, victorian blue..... $18.95
21220. Same as above for 20 boxed or 32 unboxed cassettes..... $15.75
25212. For 12 regular or 6 twin box CD's with outside personal accessory pocket and detachable shoulder strap; interior velcro compartment divider . $13.25
25006. For 6 regular or 3 twin boxed CD's, detachable shoulder strap and belt loop..... $9.50
21010. For 10 cassettes or personal accessories,



detachable shoulder strap and belt loop; red black, silver gray, victorian blue..... $7.95

LESLIE DAME ENTERPRISES

CD Storage Units
23096 CD Storage Rack. Oak grain finish CD rack holds up to 96 CDs. Stackable..... $47.95
23860 CD Storage Unit. Solid eak unit with tambour door, holds 60 CDs..... $45.95
CD-232 CD Storage Unit. Deluxe solid oak handcrafted finish, stackable, lazy susan construction. Turns around. Holds 32 CDs..... $41.95
CD-236 CD Storage Unit. Deluxe handcrafted solid oak wood, stackable, holds 36 CDs..... $39.95
CD-48 CD Storage Unit. Solid hardwood construction CD storage unit. Holds 48 CDs. Stained and lacquered finish..... $36.95
23064 CD Storage Rack. Oak grain finish rack holds up to 64 single CDs or 32 twin box CDs. Stackable..... $36.95
23760 CD Storage Rack. Solid teak rack holds up to 60 CDs..... $33.95
CD-20 Deluxe CD Case. CD carrying case holds 20 CDs. Leatherette cover with matching hardware and felt interior..... $27.99
23836 CD Storage Unit. Solid teak unit with roll top; holds 36 CDs..... $27.95
CD-24 CD Storage Unit. CD storage unit of solid hardwood construction. Handcrafted, stained, and lacquer walnut finish. Holds 24 CDs..... $24.95
CD-60 CD Storage Unit. 3-drawer deluxe walnut woodgrain finished cabinet holds 60 CDs.. $24.95
CD-48E Storage Unit. CD storage unit of plywood construction. Holds 48 CDs vertically..... $21.95
CD-40 CD Storage Unit. 2-drawer, deluxe walnut woodgrain finished cabinet holds 40 CDs.. $17.95
CD-24E CD Storage Unit. CD storage unit of plywood construction. Holds 24 CDs vertically..... $12.95
CD-10 CD Storage Unit. CD storage unit holds 10 CDs; 4 sides interlocking design; wall/shelf mounting or free standing..... $3.95
CD-12 CD Storage Unit. Dual CD storage unit holds 12 CD or 6 doubles; 4 sided interlocking plastic modular design; wall/shelf mounting or free standing..... $3.95

Cassette Storage Units

TA-248 Cassette Storage Rack. Solid oak wood storage rack holds 48 audio cassettes..... $39.95
82045 Cassette Storage Unit. Solid teak storage unit with roll top holds up to 48 audio cassettes. $35.95
82100 Cassette Storage Rack. Solid teak storage rack holds 100 cassettes..... $35.99
TA-72 Cassette Wall Rack. Wood cassette wall rack with individual tape compartments holds 72 audio cassettes..... $31.95
TA-136 Attache Cassette Case. Attache-style cassette case of wood construction with black leatherette finish and key locks holds 36 cassettes..... $28.95
TA-48 Cassette Wall Rack. Wood finish; individual tape compartment holds 48 audio cassettes. $24.95
TA-660 Viynl Cassette Case. Padded vinyl cassette case holds 60 cassettes..... $13.95
HI-30C Audio Storage Cabinet. Audio storage cabinet holds 30 audio cassette tapes..... $20.95
HI-42C Audio Storage Cabinet. Holds 42 audio cassette tapes..... $12.95
TA-630 Vinyl Cassette Case. Padded vinyl cassette case holds 30 cassettes..... $8.95
TA-624 Vinyl Cassette Case. Padded vinyl cassette case holds 24 cassettes..... $7.95
TA-612 Vinyl Cassette Case. Padded vinyl cassette case holds 12 cassettes..... $4.99

MRC-2 Magnetic Record Cleaning Brush... $1.99

MAXELL

Demagnetizer
HE-44. Electronic Demagnetizer..... $29.99

Head Cleaners
R-CL. DAT Head Cleaner..... $12.99
HC-401. Wet Head Cleaner..... $5.99
RCT. Dry Head Cleaner..... $3.59

P-Case. 3-Empty Cassette Boxes..... $1.49

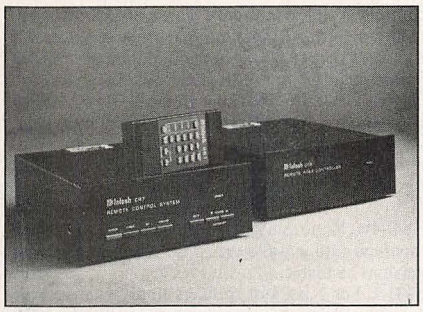
CD case. 26-empty CD boxes..... $1.79

MR-7. 7″ Metal Reel..... $7.99

McINTOSH

CR 7 Infrared Remote Control System
Expandable remote system receiver designed to function with most McIntosh components. Features area-specific volume adjustment; AC power activa-

tion; source selection; tuner station select; full CD player operation; preamp select; mute. 8 lb . . . $849



CR 8. Remote Area Controller. Module for expanding remote capability to another location. $678
HR 7. Hand-held remote transmitter for CR 7 and CR 8 . . . . . $65

MEMOREX BY MEMTEK

CP8 Universal Remote Control
Learns functions of 8 remote controls. Features sequencer operation that performs multiple remote commands with one touch; time-day of week clock; booster for more powerful signal; backlit LCD display for night use $99

Electronic Cassette Demaganetizer
Battery-powered head demagnetizing system. Eliminates residual magnetism to keep recordings free of noise and distortion. Works in less than 1 sec on any deck $24

Auto Lighter DC Power Adaptor
Power battery-operated radio, tape player, or personal portable through car-lighter socket. Features 6 plug types; 5 voltages; 2 polarities $14

CD Cleaner
Cleans CD's; restores uniform disc reflectivity; cleaning solution; pad; bristle brush; storage case . . . $14

Double Pair Stereo Cable
Features 4 coaxial cables in one; stranded pure copper conductors; color-coded RCA phono-type plugs; gold-plated; maximum signal transfer; interference-free reception $11

Deluxe Speaker Cable
Premium speaker cable upgrades system. Features 16 gauge heavy-duty cable; 19 strand pure copper conductors; high conductivity; low signal loss. . $11

Safeguard Voltage Spike Protector
Guards against brief high-voltage spikes that may occur in AC power lines. Works in any standard 110-120-V AC outlet $7.99

CD Player Dustcover
Vinyl CD player dustcover with clear front panel. Available in medium (14 x 12.5 x 3 in) and large (18 x 14 x 3 in) sizes $5.99

Graphite Filament Record Cleaner
Cleans and neutralizes static electricity. Features thorough cleaning through electrically conductive graphite microbristles that fully reach into the bottom of record grooves $5.99

Audio Patch Cables
Features gold plating for maximum signal transfer; low capacitance, heavy shielding; 95% braided copper shielding.
6 Foot Length $6.99
4 Foot Length . . . . . $.99

CD Organizer
Storage unit with independent storage slots holds up to 12 CD's in vertical position; twin pack . . . $4.99

CD Storage Case
High-quality dust-proof replacement storage case for individual CD's; standard jewel-box design; twin pack $2.99

FM Dipole Antenna
Features folded dipole design length-tuned to optimum wavelength for FM radio band; no wire stripping necessary $1.99

3-Pack Audio Albums
Design allows tape end in or out for hassle-free storage; cassette protection for home or car . . $0.99

Tape and Record Care Products
X-CD. Cassette Head Cleaner/Demagnetizer . $6.99
Record Care Kit $5.99
Cassette Cleaning Kit $2.99
Record Cleaner $2.99
Record Cleaning Fluid $2.69
Cassette Head Cleaner $1.89

Headphone Accessories
Infrared Cordless Headphone Adaptor. AC-powered transmitter and battery-powered receiver provides cordless reception for any pair of mini-plugged headphones $70

Headphone Extension. 20-ft lightweight stereo headphone extension cable $5.99
Y-Adapter. Dual-headphone adapter $2.99
Mono Adapter. Mono adapter for stereo headphones $1.99

MICRO SEIKI BY ANALOG EXCELLENCE

MT-1000L Step-Up Transformer
For 3-ohm MC cartridges. FR 15-60,000 Hz; 6.5 x 13 x 13-cm; 12.6 lb $995
MT-1000H. Same as above but for 40-ohm cartridges $995

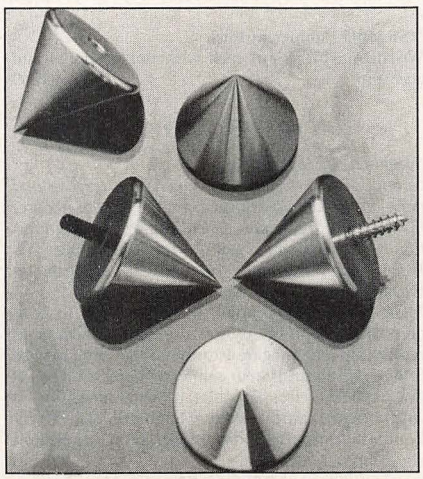
MT-500 Step-Up Transformer
For 3- or 40-ohm MC cartridges. FR 15-60,000 Hz; 6.5 x 13 x 13-cm; 6.6 lb $595

MITSUBISHI

M-W5100 Audio Cabinet
Home Theater Components audio cabinet features contemporary styling with dark gray vinyl finish; hide-away glass door; continuously adjustable shelves; hinged-top; design matches Mitsubishi's CS-3103R/MB-103 and CS-3504R/MB-504 television in both height and cosmetics $360

THE MOD SQUAD

Tiptoes



Component platforms made of machined aluminum cones. Used to improve coupling between the component and the surface beneath it.
MacMod Tiptoes. for under components, .5″ $5 ea
MacMod Rug Tiptoes. for under speakers on carpets, 1.5″ . . . . . $7 ea

CD Damper
Compact disc damper is lightweight, thin flexible plastic disc which is loaded atop the CD player to eliminate light leakage while suppressing edge flutter and internal vibrations without increasing servo tracking hunting $24.95

MOGAMI BY MARSHALL

2799 Cable
Features 4 high purity 60 strand copper conductors in quad configuration; oxygen-free copper; non-migrating insulation; use in unbalanced systems using 0.25″ or RCA plugs $0.39/ft

MONSTER CABLE

CD SoundRings
CD vibration stabilizer mounts on outer edge of CD. High density material provides necessary weight and dampening needed to stabalize CD. Fits all players and comes with centering device.
50 Rings $49.95
12 Rings $14.95
1 Ring Sampler $1.50

Speaker Cable

M1 Speaker Cable
"MicroFiber" dielectric insulation designed to eliminate "Intertransient" noise, reduce transient interference, intended to preserve power and dynamics; primary and secondary grouped networks; carrying case. With M-Spades.
15-ft pr $325
25-ft pr $500
30-ft pr $600
With X-Terminators.
15-ft pr $400
25-ft pr $550
30-ft pr $650
From Spool $9/ft

Monster Cable Connecting Cables
Improved version of original Monster Cable with new strand configuration designed for midrange clarity, faster transient response, and extended low and high FR. Pre-cut, with universal gold pin ends with lock-notch.
50 ft. $95/pr
30 ft. $60/pr
20 ft. $45/pr
15 ft. $35/pr
From spool, not pre-cut $1/ft

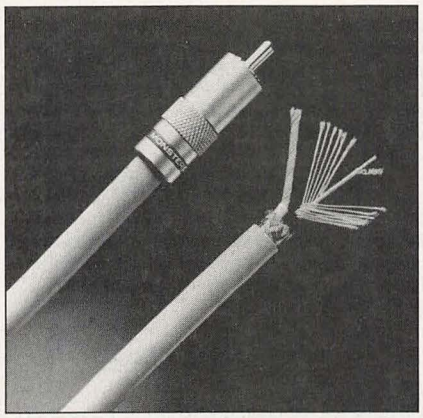
Superflex Speaker Wire
High-purity copper speaker wire with flexible Duraflex insulation; dividing web between the 2 conductors. Same stranding configuration as Monster Cable but fewer strands of wire $0.50/ft
25 ft. $40/pr
15 ft. $25/pr
10 ft. $20/pr

Powerline 2 Plus Speaker Cable
Bass control conductor for even distibution of magnetic fields; directly addresses magnetic behavior of audio signals; time aligned audio signal.
P2P 25 Ft $200/pr
P2P 15 Ft $150/pr

Powerline 2 Speaker Cable
"Time Coherent" winding designed to eliminate phase inaccuracies, align highs and lows for improved FR. Unterminated $3.25/ft
Powerline 3. Smaller version of Powerline 2 $1.75/ft

Interconnects

M1000 Interconnect Cables
"Total Phase Aligned Bandwidth Balanced" design; dual conductors and 3 wire networks; "MicroFiber"; M-Terminator connectors. Precut.



20-ft pr $450
2-m pr $210
1.5-m pr $180
1-m pr $150
0.5-m pr $110
From Spool $9/ft

Interlink 500 Interconnect Cables
"Precision Bandwidth Balanced" construction; dual conductors with "MicroFiber"; designer colors. Precut.
20-ft pr $180
2-m pr $75
1-m pr $50
From Spool $4/ft

Interlink Reference Connecting Cables
Connecting wire with 3-wire multiple-gauge network for each conductor. Thick core wire designed for frequencies below 300 Hz, 4 medium conductors intended for midrange, hair-thin woven stranded wires made for 700+ Hz.
20-ft pr $290
2-m pr $130
1.5-m pr $110
1-m pr $85
0.5-m pr $75

Interlink CD Cable
Interconnect cable for CD players designed to increase performance and sound quality $3/ft
20-ft pr $150
2-m pr $70
1-m pr $50

Interlink 301 Interconnect Cables
High-resolution, precision-stranded, noise shielding, special winding configurations, protects against noise interference. For use with car, truck, van, or RV vehicle sound system.
1-m pr $24.95

Interlink 300 Interconnect Cables
Dual-balanced conductors; dual-shield braid and foil.
20-ft pr $50
16-ft pr $40
2-m pr $24.95
1-m pr $19.95
From Spool $0.75/ft

Genesis Lightspeed Tonearm Interconnect
For connecting cartridge to preamp $175

Interlink 400 Interconnect Cable
Same "Bandwidth Balanced" design as Interlink Reference; "Microfiber" technology; unterminated $1.25/ft
20 ft $79.95/pr
2.0 m $39.95/pr
1.5 m $34.95/pr
1.0 m $29.95/pr
0.5 m $24.95/pr

NADY

IR-103 Personal Infrared Stereo Receiver
Infrared stereo transmitter model IRT-520 plugs into any stereo or tape deck's headphone jack. Infrared signal is transmitted to sensor on top of personal receiver. Any number of Nady infrared receivers can be used in a room. A "slave" transmitter, model IRT-520-S is available to extend range and coverage to outdoor areas $100
IRH-210. Integral headphone/receiver $60

NAGAOKA

Prolift Tonearm Lifter
Tonearm lifting device for use with manual turntables. Silicone damped mecahanism lifts when tonearm hits a fine trigger wire. Double-sided adhesive pad, adjustable base for height $40

NAKAMICHI

MX-100 Microphone Mixer
Features 3 0.25" mic inputs $135

PS-100 Power Supply
Produces 10 volts DC for MX-100, other Nakamichi blackbox series components; can power up to 6 components $128

DM-10 Head Demagnetizer
Tape head demagnetizer $38

SF-10 Subsonic Filters
Compact passive filters operate at line level to remove turntable rumble and other infrasonics caused by record warps and tonearm/cartridge resonances. Provides 6 dB/octave filter, down 10 dB at 10 Hz. May be used at tape output or amp tape-input jacks. 2.6" l x 0.51" diameter $15/pr

M.M. NEWMAN

Heli-Tube. Spirally cut, industrial grade, expandable, black polyethylene cable wrap applies like tape to protect/organize wires. .25", .38", .50" sizes for bundles up to 4" dia; 8 ft lengths; 0.50" $2.25
0.38" $1.60
0.25" $1.45

NIKKO AUDIO

CO-23 Crossover
3-way mono, 2-way stereo, 22-point crossover system with double mids and turnovers $700

NSR350G Equipment Rack
Woodgrain black pro rack with double doors and glass top $269

NILES AUDIO

Speaker Selection Systems
Connects up to 4 pairs of speakers to a receiver and plays any or all pairs simultaneously. Accommodates high-definition speaker cables. Features imp protection switch; separate L+R ch grounds. Handles 200 W/ch; genuine walnut side panels; rack mount brackets optional.
MSA-10. Enables play of up to 10 pairs of 4-, 6-, or 8-ohm speakers off of any stereo amp. Features high-power-imp matching transformers; logic circuitry; 10 front-panel controls; rear connector accepts up to 14-gauge speaker wire; separate L+R ch grounds for use with bridged amps. Power handling 250 W/ch. Walnut side panels standard, rack mount ears optional. 12 lb; 17 x 3.5 x 6 in $550
MSA-6R. Remote-controlled, 6-position speaker switching system to turn on or off either from a central location or remotely by using optional wall controls in different rooms. Turns on AC power to main system as well speakers in individual rooms. All 6 locations can be played at once. Maintains nominal 8-ohm load on amp no matter how many pairs are played. 19 x 5.25 x 12.12 in; 16 lb $599
SVC-4. For 4 pairs of speakers. Features individual volume controls; connection for second amp; autotransformers; separate L+R ch ground connections for use with bridged amps. 8 lb; 11.2 x 4.62 x 5.31 in $280
SVC-4W. Same as SVC-4 except designed to be flush mounted into a wall. Pre-construction and retrofit versions available $325
SVC-2. For 2 pairs of speakers. Individual volume controls; autotransformers $150
SPS-1. Accommodates up to 14-gauge speaker wire and power handling capacity up to 100 W/ch. Genuine walnut side panels $80
Rack mounts $15

HDS-6 Speaker Switcher
Enables play of up to 6 pairs of speakers. Accommodates up to 8 gauge wire; power handling 250 W/ch; headphone jack; works with any type of amplifier $200
HDS-4. Same as above but for 4 pairs of speakers $150

CPM-31 Patching Matrix
6 x 6 patching matrix to connect tape decks, equalizers, and NR units. Allows a component's output to be fed to another component's input. Passive unit with RCA jacks on rear. 9 x 4 x 8.75 in; 6 lb $180

ADA-6 Audio Distribution Amplifier
Stereo line-level audio distribution amplifier. A single input can be distributed to 6 destinations with no degradation of original signal $140

IRP-1 Power Supply
Power supply for infrared repeater system $140

SV-5 Auxiliary Selector
Expands auxiliary input to accommodate up to five different sources such as CD, tape deck, tuner; passive volume attenuator enables adjustment of volume of each sound source $90

TSB-3 Tape Deck Switch Box
Allows record, playback and dub between any of 3 tape decks. Patching performed by turning knobs. Features RCA phono jacks; optional rack-mount ears and walnut end panels. 7.12 x 2.65 x 5.6 in; 2 lb $80

IRR-1 & IRC-1 Infrared Receiver
Wall-mount infrared receiver. When connected to IRP-1 and IRC-1 enables you to control almost any infrared remote control component; up to 30 IRR-1 units can be connected to the IRP-1 power supply.
IRR-1 ..... $70
IRC-1 ..... $20
SCW-1 Volume Control
Wall-mounted stereo volume controls for remote speakers. Use of autotransformers instead of L-pads $48
SCW-2. Similar to SCW-1 with stereo headphone jack $66
SVC-1. Table top speaker volume control for remote speakers. Volume adjustment independent from main speakers. Uses autoformer volume control instead of L-pad $75
SCW-2A. Similar to SCW-1 but has selector switch for 2 different amplifier inputs $66
SCW-2HP. High-power version of SCW-1. Uses high-power autoformer instead of L-pads. Power handling 15-W/ch. 4.56 x 4.5 x 2.56 in $70

DPS-1 Amplifier/Speaker A-B Selector
Permits either of 2 amps to be played into a single

pair of speakers, or a single amplifier to play into either of 2 pairs of speakers. Features high-power A-B selector switch box; handles 300 W/ch; rear panel connector for up to 14 gauge speaker cable or high definition wire pin connector. 2 lb; 6.12 x 2.8 x 3.15 in..... $65

AXP-1 Auxiliary Input Selector
5-input, 1-output stereo selector box for 5 line-level signal sources. Allows selection by turning a knob. 1 lb; 5.12 x 2.5 x 5.12 in..... $55

PS-1 Phono A-B Switcher
Connects 2 turntables to a receiver with only one phono input. Features L+R ch grounds; switches both the hots and the grounds for total isolation; RCA phono connectors. 4.75 x 1.9 x 4 in; .5 lb..... $50

DPS-1W Amplifier/Speaker Selector
Wall-mount high-power A-B selector. Used to share a common pair of loudspeakers with 2 different sound sources..... $50

LVW-1 Volume Attenuator
Wall-mount line-level attenuator. When used with preamp and power amp it enables you to put volume control on the wall..... $48

SJ-1 Wall-Mount Connector
Wall-mount plate containing two 5-way binding posts for speaker connections. Designed to mount on wall similar to electrical outlet plate. Available in bone, brass, stainless steel, and white. 2.75 x 4.5 in..... $6.30

NITTY GRITTY

Mini-Pro MK 2 Record Cleaner
Semi-professional-type record cleaner designed for consumer use. Wets, scrubs, and vacuums both sides of record simultaneously. Cleans record of all dust, grease, and static charge. Features large oak cabinet; strong vacuum motor; quieter operation. 10 x 17 x 10-in..... $699
Hybrid 2. Same as above except cleans one side at a time. Built-in hinged dustcover and adaptor for cleaning compact discs..... $599
2.5 Fi. Similar to Hybrid 2 without dust cover or CD cleaning..... $499
1.5 Fi. Similar to 2.5 Fi except no solid oak cabinet..... $429
Model 1.0. Similar to above except manual... $259

ONKYO

RC-AV1M Universal Remote Control
Audio/video universal remote control can be programmed to operate a variety of video (VCR's, TV's, cable boxes) and audio components with infrared remote capabilities. "Learns" the remote operations of a variety of components and can store more than 100 different functions into memory. Comes with control codes for Onkyo products already programmed in. Uses 4 AAA batteries. 7.06 x 2.88 x 1.25 in..... $119.95

RC-AV10M Universal Remote Control
Features 55 programmable functions; full control of more than 6 components; audio and video operation modes; pre-programmed with Onkyo RI command modes..... $80

ORA ELECTRONICS

Studio Spec Brand

TU2 Cable Ready TV Tuner
139 Channel, wireless remote TV tuner enables non-remote controlled TVs to be fully remote and cable ready. Front panel features 6 control buttons; back panel features switchable channels, 3 or 4 outputs, 120 V outlet, VHF/UHF/cable, in and RF out, RCA jacks for audio/video out, and jack for MPX stereo..... $300

SDX1 Stereo TV Decoder
Decodes stereo TV audio signal for use with home audio/stereo equipment. Features switch for stereo/mono/SAP; separate CH. 3; MPX selector switch; stereo left/right audio outputs..... $179

CDA-1 CD Car Adaptor
Equipped with 2-cable sets: one connects a CD or cassette player output to the adaptors input, the other connects the adaptors 9-volt output to power external players. Complete with mounting hardware.... $40

S-VHS Cables
Cables designed for use with video equipment including all S-VHS monitors, VCRs, videodisc players, monitor/TVs, and dubbing equipment. 4-pin mini DIN male to 4-pin mini DIN male cables enable separate transmission of Y and C signals to enhance signal to noise ration, horizontal resolution, contrast, and picture quality. Full shielding. 12 ft..... $23

CD-2 CD Cleaner
Self-contained CD cleaning kit includes cleaning brush, chamois pad, cleaning base/box, and 1.5 oz of CD cleaning solution in pump-spray bottle.... $13

CD-4. Individual CD storage boxes, clear plastic jewel box design. 2 per package..... $4

MK-116. Audio head maintenance kit includes felt, brush, and mirror probes, replacement felt pads, and head cleaning solution..... $4
ATC-DC-113. Dual-capstan audio cassette head cleaner. Wet-type specially designed to clean entire tape path in dual-capstan or autoreverse cassette decks..... $4
ATC-112. Wet-type, audio cassette head cleaner. $3

ORTOFON

RC-015 Stylus Cleaner
Electronic stylus cleaner with tuned oscillator vibrates all contaminants off the stylus assembly. Includes 20 ml bottle of stylus-cleaning fluid; magnification mirror..... $34.95

CC-021 Cassette Maintenance Kit
Includes autoreverse cassette cleaner and electronic head demagnetizer..... $29.95

SC-060 Audio System Maintenance Kit
Includes carbon-fiber record cleaner; stylus cleaner; autoreverse cassette cleaner; CD cleaner... $24.95

RC-014 Electronic Static Eliminator
Ion gun with trigger control bombards record surface with static-neutralizing ion particles..... $21.95

RC-017 Acoustic Shock Absorbers
4 adjustable shock absorbing feet help prevent acoustic feedback and allow for leveling turntable. For use with turntables up to 45 lb..... $21.95

CD-040 Compact Disc Maintenance Kit
Includes cleaning cloth, cleaning spray, lens cleaner, in album storage box with padded cleaning surface..... $19.95
CD-042. Replacement spray for CD-040.... $6.50

CC-020 Autoreverse Cassette Cleaner
Wet-type cleaning cassette cleans all tape heads, capstans, and pinch-rollers in autoreverse cassette decks in 30 sec. Includes cleaning solution and replacement pads..... $12.95

CD-041 Component Isolators
Includes 8 absorbing feet with self-stick backing to eliminate vibration on all type components.. $9.95

RC-013 Record Care Kit
Includes walnut record brush with one-way pile; record cleaning solution to remove dirt and eliminate static; stylus cleaner..... $16.95
RC-011. Replacement fluid for RC-013..... $4.95

RC-010 Carbon Fiber Brush
Record cleaning system with polished carbon fibers to remove dirt from record grooves while built-in copper-wire grounding system eliminates static build-up..... $9.95

RC-016 Disc Coupler
Designed to couple the record to the platter for increased bass response and improved imaging. Includes 2 center hubs to fit most center spindles..... $9.95

RC-018 Alignment Tool
Phono cartridge alignment tool features mirrored surface with two-point alignment system and center spindle cutout..... $4.95

RC-012 Stylus Cleaner
Cleaning fluid removes residue from stylus. Includes fluid and applicator brush..... $3.49
RC-009. Stylus pressure gauge..... $2.95

O'SULLIVAN INDUSTRIES

79680 Entertainment Center
Solid oak frames with marshall-oak laminate finish. Features clear tempered glass doors; 3 adjustable or removable component shelves; shelf provided for smaller television and VCR combo; twin oak drawers for accessories; casters. Overall: 45 x 49.13 x 20.75 in..... $299

79030 Entertainment Center
Finish in glossy black formica high-pressure laminate. Features tempered clear glass doors; 2 adjustable shelves; pull-out turntable shelf; double doors for storage area with cast-metal door pulls. Overall 47 x 48.25 x 15.25 in..... $289

79438 Entertainment Center
Finished in registry oak. Features 4 tempered clear glass doors with brass finish hardware; 2 adjustable component shelves; storage area with adjustable/removable shelf; drawer with an open storage area. Overall 71 x 48.75 x 14.75 in; TV area: 27.5 x 29 x 14.75 in..... $239

79480 Entertainment Center
Finished in registry oak laminates. Features rounded-edged design and sculptured rails with brass finish accents; tempered clear glass door protects adjustable/removable component shelves; bottom drawers are appointed with brass finished drawer pulls with wood-grain laminate inserts. Overall 43.24 x 49 x 15.37 in..... $199

79227 Entertainment Center
Finished in colonial oak laminates. Features tempered clear glass doors protecting a top storage area; 2 adjustable/removable component shelves and twin doors with solid-wood pulls; TV area accepts most monitors. Overall 71 x 14.75 x 54.37 in; TV area: 27.5 x 14.75 x 30 in..... $179

79236 Entertainment Center
TV area that accepts most 19" monitors; twin veinlined doors concealing storage area; storage drawer; bottom right shelf is adjustable or removable; middle shelf component area; solid oak pulls on drawer & doors. 69 x 48.5 x 14.75 in; TV area 25.5 x 26.75 x 14.5 in; right shelf 25.5 x 19.88 x 14 in; bottom shelf 16.5 x 19.88 x 14 in..... $169

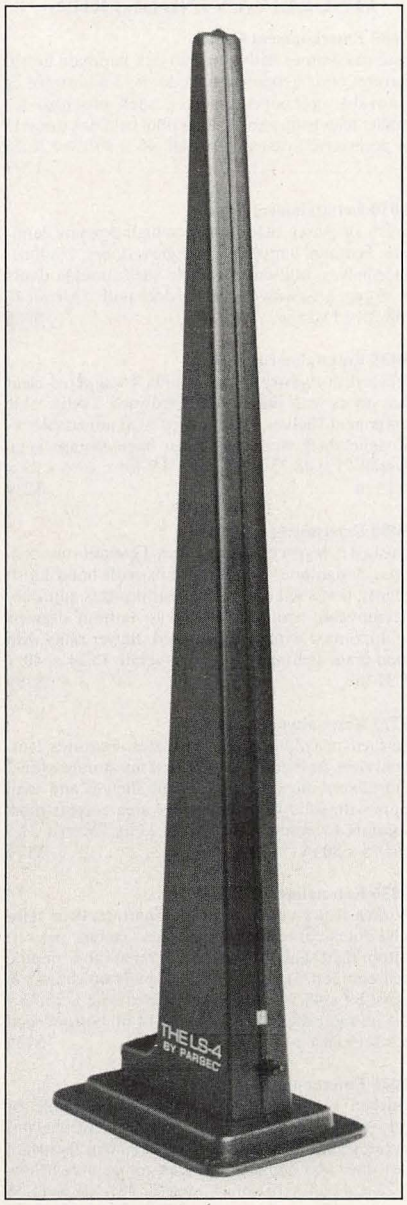
79020 Entertainment Center
Finished in white laminates with adjustable or removable VCR shelf and ten component shelves. Features pull-out turntable shelf; TV area; tempered glass door and doors concealing storage area below. 47.25 x 47.88 x 15 in; TV area 27.38 x 27 x 15.38 in..... $169

pered clear-glass doors. Features twin component shelving; large TV area for most 19″ TV's; twin vein-lined doors concealing storage area; solid oak door pulls. 47.25 x 48.13 x 15.5 in; component area 27.13 x 19.13 x 13.75 in $159

79980 Entertainment Center
Colonial oak laminate finish with adjustable VCR shelf; large TV area and adjustable component shelving; clear tempered glass door; twin double doors for storage area below. 47.25 x 48.13 x 15.5 in ... $159

79037 Entertainment Center
Rounded-rail door and top rail; accomodates larger TV's; component area; spacious lower storage area with shelf. 66.5 x 48.5 x 14.75 in; TV area 23.5 x 27 x 14.75 ..... $139

79018 Entertainment Center
Finished in bartonwood laminates with tempered glass doors. Features adjustable component shelf and a concealed storage area; TV shelf fits most 19″ monitors and the bottom shelf will accomodate a VCR and tapes; solid wood door pulls. 40.75 x 47.88 x 15.5 in $119



Parsec LS-4

52192 Audio Cabinet
Features tempered, clear-glass lift-lid and door; black-pebble-grain laminate shelves; adjustable middle shelf; album and/or accessory storage spacel dual-wheel casters; bartonwood laminate. 37.74 x 19 x 15.75 in; component area: 13.12 x 17.62 x 14.36 in$89

PARSEC

The FM Dish
Features GaAsFET Gallium Arsenide Field Effect Transistor; electronic tuning; multipath rejection; Azimuth markings on base $219

The LS-4 Indoor FM Antenna
Features GaAsFET Gallium Arsenide Field Effect Transistor. Displays omnidirectional characteristics when placed in a vertical position; displays directional characteristics when placed in a horizontal position $59

PIONEER

BSS-F1 Bodysonic Surround-Sound Chair
Swiveling black leather chair designed for surround-sound applications. Features 3.2″ diaphragm stereo



speakers in headrest; dynamic damper bass drive unit mounted in seat; remote control mounted under seat; RCA jack; headphone jack. 40 x 38 x 38 in. $2,000

CU-AV100 Smart Remote Control
Remote controls all Pioneer components on the system remote network. Features learning capability; 214-command capacity; 68 keys; 3 slide switches; 30-60 minute memory backup for changing batteries $125
CU-AV70. As above with 65 keys, 70-command capacity $85

JA-RF5 RF Modulator
Converts composite (baseband) video to RF so that video from an A/V system can be viewed on a TV without a video input. Features selectable output frequency; video/TV switch for VHF antenna loop-through; 5-pin DIN connector and "F"-type for video in/TV out $50

JD-M100 6-Disc Magazine
Additional 6-disc magazine for use with any Pioneer CD changer. Includes a complete set of labels and hard plastic storage sleeve. Available in 5-piece master carton ..... $15 ea
JD-M108. As above for CD-3's $15

PREMIER BY SUMIKO

Catalyst Interconnect Cables
Designed for low series inductance; zero audio transfer loss; transposed twin axial internal wire for low magnetic interference; 1-end grounded shield; gold-plated connectors; connection points machined from solid body; teflon dielectric. Custom lengths available on request.
0.5 meter stereo pair $50
1.0 meter stereo pair $60
2.0 meter stereo pair $80

VTA-16 VTA Adjustment Device
To adjust tonearm height even while record is playing; tooled to complement MMT and other arms with 16-mm mounting posts $85

PIB-1 Interface Box
Terminates any standard tonearm JIS plug to gold-plated female RCA's; eliminates drag on turntable suspension; electrically neutral interface for interconnect cable $80

HS-12 Universal Headshell
Solid magnesium; double-lock pins; adjustable azimuth; linear-cystal oxygen-free copper wire; high-rigidity mounting-hardware kit $32
HL-29. LC-OFC headshell wires used in HS-12 $12

PROTON

Equipment racks for audio systems
R12. Contains enough surface area to accomodate 6 components and several records; constructed of wood; protective glass door; comes with casters$259
R11A. Contains enough surface area to accomodate up to 5 components and several records; constructed of wood; comes with casters $239

REALISTIC

Walnut-Veneer Audio Cabinet
Tempered glass door; hinged top, heavy-duty swiveling casters; software storage space; unassembled. 45 x 18.37 x 17.5 in $130

Hickory-Grained Audio Cabinet
Full-length tempered glass doors; hinged top; 3 adjustable shelves; storage space for LP's and tapes; metal supports; heavy-duty swiveling casters; unassembled; hickory-grained vinyl finish. 37.5 x 21.25 x 17.25 in $120

Tape Control Center
Connects to tape-monitor loop to allow use of three tape decks for monitoring, recording, and dubbing; with illustrated manual $25.95

Micro Head Cleaner
Nonabrasive tape in microcassette-type shell cleans tape path of microcassette machines $2.99

Mini and Micro Tape Tray
Holds 12 minicassettes or microcassettes; smoke-tinted cover $2.49

Tape Recorder Maintenance
Lighted Demagnetizer. 3.5″; for all tape decks$13.95
Universal Demagnetizer. For all tape decks; 2 angled tips $9.95
Cassette Head Demagnetizer. In cassette shell; works in 1 sec; with battery $9.95
Demagnetizer/Cleaning Kit. Demagnetizer cassette, probe, mirror, solution, cloth $5.95
Cleaner Cassette. Felt pads clean heads, pinch roller, capstan; with 0.5 oz of fluid $3.99
8-Track Cleaner. Cleans heads and capstan rollers; nonabrasive $2.99
Cassette Head Cleaner. Removes oxide from head and capstan; with fluid $2.69
Head-Cleaning Kit. With 6-dram bottle of Freon TF solvent and 6 foam swabs $2.59
Pro-Style Solvent. Freon dissolves dirt and oxides on heads; 2 oz $2.39
Head-Cleaning Spray. Removes dirt and oxide without residue $1.99

8-Track Cleaner. Removes oxide from heads; non-abrasive..... $1.99
Cleaning Swabs. Reusable lintless foam; 10 pack..... $1.95
Cassette Head Cleaner. Nonabrasive tape in cassette shell..... $1.89
Recorder Cleaning Kit. 2 1.25-oz bottles of cleaner and lubricant; 10 swabs..... $1.69
Cleaning Cloths. To clean tapes and equipment dustcovers; 4 pack..... $1.49
Cleaning Sticks. Cotton-tipped 6″ wood sticks; 100 pack..... $1.29
Head-Cleaner Solution. Cleans heads, tape guides, capstans, metal parts; 2 oz..... $0.99
"Nonslip" Solvent. Reduces slipping of idler wheels, belts, etc.; fast drying; won't harm rubber ... $0.99

Cassette Accessories
Tape Splicer. Chrome cut/trim lever; with splicing tape and instructions..... $6.49
Repair Kit. With 32-page manual, housing, labels, splicing materials..... $4.99
Hand-Winder. For winding cassettes..... $3.99
Index Cards. Fits standard cassette boxes; 20 pack..... $1.19
Tape Housing. With 24″ leader tape and instructions..... $1.19
Cassette Boxes. Hinged; clear plastic; 3 pack. $1.19
Index Labels. Adhesive; 6 each of red, yellow, blue, green; total 24..... $0.99
Molded Mailers. Meets first-class postal regulations; 3 pack..... $0.89
Budget Mailers. Cardboard boxes with labels; meets first-class postal regulations; 6 pack..... $0.79

Open-Reel Accessories
7-Inch Metal Reel. With box..... $6.95
7-Inch Plastic Tape Reel...... $1.39
Tape-Reel Holders. Fits most recorders; 2 pack $1.19
5-Inch Plastic Tape Reel...... $0.99
3-Inch Plastic Tape Reel. With index and timing chart..... $0.69

General Tape Accessories
Bulk Eraser. For all tape except metal and video-tape..... $15.95
Editing Block. Aluminum splicer for all tape sizes with 90x and 45x cutting guides; with blade and mounting strip..... $3.99
Foot Switch. Remote-control on/off switch for typing from dictation; submini plug..... $2.99
Universal Splicer. Dual guides; levers secure tape; with blade and instructions..... $1.99
Phone Pickup. Suction cup attaches to handset; 1/8″ mini plug; may be incompatible with electronic phones..... $1.99
Sensing Tape. Metallic tape stops or reverses recorders with contact or photosensitive systems; 100″ roll..... $1.99
Leader Tape. 7/32 x 200″ roll..... $0.99
Splicing Tape. 100″ roll; 7/32″, 3/8″, or 1/8″ widths..... $0.79

RECOTON

Beammaster FM Antenna
Beammaster FM-100 powered omnidirectional FM antenna. Features obelisk shape; vertical or horizontal positioning; built-in amplifier; adjustable from 0-25 dB; can boost signals up to 125 times. 17.23 x 4.125 in..... $49.95

CD-23 CD Mounting Bracket
Mounting bracket for portable CD players when used in cars. Features cushioned shock-absorbing platform; easy installation; can be mounted on-dash, under-dash, or on a center console. Comes with adjustable top and side brackets. Fits all portable CD players..... $22.95

3-Inch CD Adaptor Ring
Adaptor for playing 3-inch CD singles in standard-size or table-top players. Sold in pairs $3.99/pr

REVOX

B209 Easyline Infrared Multi-Room Remote
Multi-room remote system controls volume, treble, bass, and balance of loudspeakers individually in each room. While one source plays in main listening area, different music source from main system can play simultaneously in remote rooms. Allows connection of independent music source in each remote room; system requires power amp, speakers adn B209 module in each remote room..... $995

B208 Hand-Held Infrared Remote
Specifically designed to work with new generation of Revox units but can be used on all Revox remote controlable components. Keypad has over 55 functions; light indicator confirms selected commands..... $160

RUSSOUND/FMP

RD-4 Speaker Control
Switchbox for controlling 4 stereo speakers. Combination power switch, volume control and transformer. Features individually programmable outputs; automatic imp protection; 4 ohm speaker protection; 100 W/ch max power handling; separate left and right grounds. 17 x 5 x 2.13 in..... $259.95

AV-4 Audio/Video Switcher
Accomodates up to 4 VCR's or 3 VCR's and one A/V processor. Features passive operation; separate audio and video switching; dubbing, editing, and processing capability; compatible with all VCR's. 17 x 3 x 1.75 in..... $199

MA-5 Matrix Recorder/Processor Audio Switch
Allows connection of up to 4 tape recorders and processors; can make 3 copies of a tape, or 4 copies of external source..... $89.95

VC-1 Remote Speaker Control
Volume control for 1 pair of speakers; portable; 10-position switch; 10-autostep transformer..... $75

ALT-2 Wall-Mount Stereo Volume Control
Features mechanically-shielded box; plate; knob. Depth <2″..... $47.95

SAEC BY ANALOG EXCELLENCE

ULS-3X Universal Headshell
Antiresonant ceramic headshell. Made of sintered multi-crystallized aluminum oxide of >99.7% purity. 18 g..... $85
ULS-2x. Composite headshell. 9.5 g..... $28

LX-1020 Interconnect Cable
Separate parallel OFC cable; RCA plugs treated with rhodium (platinum)..... $40

CX-5006A MC Pickup Cord
Separate parallel OFC cable; terminals treated with rhodium (platinum); imp 20-120 ohms; 1.5 m . $52
CX-5006B. As above except imp 1-10 ohms ... $52

SANYO

RBU1 Universal Remote Control Transmitter
Programmable infrared remote control uses an 8-bit microprocessor to 'learn' and use the infrared codes from as many as three different remote control products. Features multi-function controls to execute up to 87 functions from a 36-button keypad; 5 LED indicators monitor 'learn' mode operation; pre-programmed to work with current Sanyo remote control audio/video components; color-coded controls for easy operation. Uses 4 AA batteries .. $100

SCOTCH

Record Care System
3-way record protection-dust cleaning, static removal and friction reduction with Sound Life fluid. Applicator attatches to turntable spindle to meter a controlled amount of fluid onto pad.
Total System..... $27.99
Sound Life replacement fluid..... $8.19

Turntable Dust Guard
Conductive foam turntable pad reduces external electrostatic field to repel airborne dust..... $6.99

ERK-130 Cassette Edit/Repair Kit
Contains precision splicing block; spindle for manually winding cassette tape; 6 polyester picks (adhesive tipped for retrieval of tape ends lost in housing); 6 130-mil splicing tabs; detailed instruction booklet..... $3.59

SK-.22. 12.5 ft of 1.9 mil polyester splicing tape in dispenser kit..... $2.49
#41. 0.5″ x 150″ splicing tape..... $1.20

Re-Label Tape
0.75″ x 700″ write-on white tape supplied in dispenser. For labeling all types of audio cassette. Removable..... $1.99

S-C-HC Cassette Head Cleaner
Cassette head cleaner..... $1.89

SENTRY INDUSTRIES

SENAUD42 Deluxe Cabinet
Deluxe woodgrain finish with 4-cushioned feet protect surfaces; each drawer holds 14 tapes or an aggregate of 42 cassette tapes; can be stacked; master carton 3.33 cubic feet; 37 lb..... $15

SENHO5080 Mini-Speaker System
Two mini-speaker system fits all personal stereos; wedge style increases bass response. Includes 3 ft. cord with 3.5mm stereo connector. 4.37 x 3.0 x 2.62 in..... $13

SENAUD33 Promotional Cabinet
Deluxe woodgrain finish with cushioned feet to protect sufraces; each drawer holds 11 tapes with boxes or 16 tapes without boxes; can be stacked; master carton 4 cubic feet; 40 lb..... $11

SENA30WD Audio Cassette Deck
Deluxe woodgrain finish with dividers to hold tapes securely; wall mounting; can hold 30 cassette tapes; master carton 3.46 cubic feet; 53 lb..... $9.95

SERVICE MANUFACTURING

Carrying Cases
1354. Nylon video camcorder bag for VHS Camcorder, Sony Beta Movie and most other video camera outfits and accessories..... $100
1353. Nylon video camcorder bag for most VHS-C and 8 mm video camera outfits and accessories $80
1306. Nylon video camcorder bag for many 8 mm and compact video cameras..... $60
WM-1. Shock protected Regency nylon personal stereo waist pack with extra wide adjustable waist belt..... $10
SC-1. Padded vinyl universal carry case for scanners, walkie-talkies, and portable telephones..... $9

CD Carrying Cases
CD132. Classic carrying case in deluxe flannel-like material holds 32 single or 16 double CDs in individual compartments..... $30
CD133. Same as above in deluxe leather-like vinyl..... $28
CD118. Classic carrying case in deluxe flannel-like material holds 18 single or 9 double CDs in individual compartments..... $25
CD119. Same as above in deluxe leather-like vinyl..... $21
CD216. Regency nylon carrying case holds 16 single or 8 double CDs in individual compartments.. $20

CD206. Nylon case holds most portable CD players with battery pack and CD's..... $13
CDW-1. Regency nylon compact wallet protects 6 CDs in individual pockets without jewel boxes; velcro mounting strips included..... $12

Cassette Carrying Cases
1860. Shock protected "Softie" patented dual purpose Regency nylon double sided carrying case for 60 boxed or 120 unboxed audio cassettes..... $30
1834. Carry case with patented dual purpose insert holds 30 boxed or 60 unboxed cassettes; expandable front pocket with velcro closure ; adjustable double buckle shoulder strap; leather-like vinyl..... $26
1824. Shock protected patented dual purpose case in deluxe flannel-like material for 30 boxed or 60 unboxed audio cassettes. Expandable front accessory pocket..... $25
1834. Same as above in deluxe leather-like vinyl$26
1805. Soft-style, padded, nylon case holds 30 boxed or 60 unboxed cassettes. Includes padded carry handles and shoulder strap..... $25
2040. Deluxe padded vinyl library case holds 60 boxed or 120 unboxed audio cassettes..... $22
2060. Padded, vinyl, double-sided case holds 60 boxed or 120 unboxed cassettes. Hi-tech design $20
1804. Padded nylon carrying case with dual purpose insert. Holds 30 boxed or 60 unboxed audio cassettes..... $18
1822. Shock protected patented dual purpose carry case in deluxe flannel-like material for 12 boxed or 24 unboxed audio cassettes. Expandable front accessory pocket..... $15
1832. Same as above in deluxe leather-like vinyl$16
1802. Soft, padded nylon case holds 12 boxed or 24 unboxed cassettes..... $15
2042. Deluxe padded vinyl attache case holds 24 boxed or 48 unboxed audio cassettes..... $14
2022. Deluxe padded denim-look vinyl attache case for holding up to 24 boxed, or 48 unboxed audio cassettes..... $14
2061. Padded vinyl attache case for 24 boxed or 48 unboxed audio cassettes..... $13
2051. Padded vinyl attache case for 24 boxed or 48 unboxed audio cassettes..... $13
1802. Padded nylon carrying case with dual purpose insert. Holds 12 boxed or 24 unboxed audio cassettes in individual compartments..... $13
2045. Deluxe padded vinyl attache case holds 12 boxed or 24 unboxed audio cassettes..... $11
2025. Padded, vinyl, attache case holds 30 boxed or 60 unboxed cassettes..... $11
1820. Shock protected carry case in deluxe flannel-like material with clear front window; will hold 10 boxed audio cassettes..... $10
2063. Padded, vinyl, case holds 12, boxed or 24 unboxed cassettes..... $10
2053. Padded vinyl carrying case for 12 boxed or 24 unboxed audio cassettes..... $10
1800. Padded, nylon cassette pouch holds 10 cassettes and/or most popular personal stereo/stereo cassette players..... $10
1800. Shock protected nylon cassette pouch holds 10 cassettes and/or most personal stereo/stereo cassette players; adjustable shoulder strap doubles as a waist belt..... $9
1906A. Padded Regency nylon wallet holds 6 cassettes in individual compartments..... $8
1906. Cassette wallet holds 6 unboxed cassettes in padded enclosure..... $8

SHURE

M64A Preamplifier
Fixed-gain stereo preamplifier with switch-selected phono, tape EQ; for use with unequalized amplifier inputs, mic's, as buffer amp in "flat" position; on-off switch; two phono jack inputs; 120 V AC 50/60 Hz, 5 W..... $102

TTR-117 Test Record
Test record for testing cartridge response under different conditions..... $16.50

SFG-2 Stylus Force Gauge
Allows precise setting of optimum stylus force for maximum trackability and sharply reduced wear on records and stylus tip..... $9.25

SIGNET

Cleaners

SK315. Auto CD cleaning system. Combines wet and dry cleaning automatically. After a timed wet cycle, the pad retracts and chamois-type pad dries and buffs disc. Auto shut-off. Includes cleaning fluid and 4 AA batteries..... $60
SK316. Replacement fluid and pads for SK316..... $15/set
SK305. Electronic stylus cleaner..... $40
SK306. Replacement fluid for SK305..... $5
SK301. Liquid stylus cleaning formula..... $6
SK302. Contact cleaner/restorer with 3-way action. Removes oxidation, leaves protective coating to slow-down future oxidation, serves as a contact enhancer. Tools allow thorough cleaning of plugs and jacks. For both audio and video components .. $25
SK312. Compact Disc cleaner. Features soft leather chamois for surface dust and cleaning solution with optical quality cleaning cloths for tougher dirt . $25
SK-310. Record cleaning system with low-residue cleaning and humidifying solution, convenient storage base. Unidirectional brush reduces static charges on vinyl record surface..... $30
SK309. Replacement fluid for SK310 and other record-cleaning systems to reduce residues..... $5
SK309/500. 500 ml bottle of cleaning agent for SK310..... $20
SK307. Audio cassette cleaner tape. Features phillips-type cassette with alternating wet/dry cleaning system and cleaning fluid..... $15

Cables
SK481. CD high definition LC-OFC interconnect cable; 1.0 meter..... $60
0.5 meter..... $50
2.0 meter..... $70
VK410. Maximum Transfer video interconnect. Features multi-strand wide-bandwidth center conductor surrounded by as thick-foam dielectric for low capacitance and extended high-frequency response. 2 shileds of denses copper braid and conductive polypropylene layers insures noise-free transmission of video signal. Gold-plated male-to-male RCA connectors. 1- and 3-meter lengths..... $30-$40

VK411. As VK410 with gold-plated Quick-F to Quick-F connectors. 1- and 3-meter lengths $30-$40
VK412. OFC stereo audio/video cable; gold plated RCA to RCA; 3.0 meter..... $65
2.0 meter..... $60
1.0 meter..... $55
VK212. Economy OFC stereo audio/video cable; gold plated RCA connectors; 3.0 meter..... $30
2.0 meter..... $25
1.0 meter..... $20
SK402. Litz wire interconnector; low capacitance/low resistance; 10 meter..... $99
1.5 meter..... $45
1.0 meter..... $40
0.5 meter..... $35
SK403. High-quality all-purpose OFC interconnect cable with ground wire; 2.0 meter..... $18
1.5 meter..... $17
1.0 meter..... $16
0.5 meter..... $15
SK485. LC-OFC headshell wire set..... $15
VK421. Gold plated RCA to RCA barrel connector$7
VK422. Gold plated F to F barrel connector.... $7
VK423. Gold plated female RCA to male F connector..... $6
SM500. Music line maximum transfer speaker cable..... $1/ft
SM20. Music line gold plated terminal end speaker wire; 20 ft..... $40/pr
SM15. Same as above 15 ft..... $32/pr
SM10. Same as above 10 ft..... $26/pr

HT18. HiTec 16 gauge speaker wire..... $.22/ft
HT16. HiTec 18 gauge speaker wire..... $.15/ft
GB50. Gold plated banana plugs; w/red/black insulators..... $2.00/ea
GS200. Gold plated spade lugs; w/red/black insulators..... $.50/ea
GP200. Gold plated terminal pins; w/red/black insulators..... $.50/ea

Miscellaneous Accessories
MK12T Moving Coil Transformer. MC transformer to match low output MC cartridges to conventional magnetic phono inputs; selectable impedance . $350
MK10T. Same as above without selectable impedance..... $130

SME BY SUMIKO

SME Tonearm Cable
Van den Hul 2-meter tonearm interconnect cable with right-angle connector..... $275

SME FD IV
Provides fluid damping and arm height/VTA adjustment for the Series IV tonearm..... $275

Tonearm Cable
Van den Hul Model 501 mono-crystal twin axial cable with right-angle metal DIN plug and gold-plated RCA connectors; separately terminated electrostatic shields..... $175

Headshell Wires
Each lead has 7 strands of silver litz wire terminated to gold-plated clips designed for max contact with cartridge pins..... $24

SME Phono Plugs
Phono plugs..... $24/pr

P 925 Headshell Spacer
Increases arm-to-record clearance without compromising rigidity; matches SME headshell; raises arm 0.12" when reset for previous stylus rake angle . $18

SONEX

SONEX Acoustic Foam
Sound-absorbing acoustic foam sheets kill background noise and control room acoustics by absorbing peak frequencies caused by standing waves, resonances, slap echoes, etc. Anechoic-type wedge shapes traps and diffuses sound for the same live-end/dead-end effect used in recording studios.
Juniors. 2"-thick 24" x 24" sheets. Box of 4 sheets..... $54.00

SONRISE CABINET SYSTEMS

All cabinets come in a choice of walnut or oak (medium, light, or dark stain)

SG-11A Swivel Audio Cassette Holder
Dual-sided holder for 48 tapes. 14.88 x 10 x 6.75 in..... $69.95

SG-11AL Stacking Audio Cassette Holder
Holds 40 tapes horizontally, each on its own shelf; 13.88 x 19.38 x 3.75 in..... $69.95

SG-11DL Stacking Compact Disc Holder
One-sided unit holds 40 discs horizontally, each on its own shelf; 9 x 21.5 x 6 in..... $69.95

SG-11LP Stacking Holder
Stacking holder for laser video discs or LP's. Holds 75 discs or LP's vertically; 14.5 x 14.5 x 13 in. Available in choice of high-gloss black, white, or grey lacquer finish..... $69.95

SG-11D Swivel Compact Disc Holder
Dual-sided holder stores 40 discs horizontally, each on its own shelf; 10 x 11.25 x 11.25 in; may be ordered without the swivel for stacking purposes... $69.95

SG-D1 Stacking Compact Disc Holder
Holds 45 single compact discs vertically, or a mix of single, double and triple discs; 9 x 21.5 x 6 in; choice of high gloss black, white, or grey lacquer .. $49.95

All audio systems have 1" shelves, fixed shelf at 13.5" with fins to accommodate LP's, and hidden casters Come in a choice of walnut, oak, silkwood, rosewood, highgloss black/white/grey lacquer.

E-1 Dawning
Audio cabinet with 3-adjustable shelves; 1 fixed-shelf; exterior height of 49" $392

SM-2 Morning Star
Audio cabinet with 2 adjustable shelves, 1 fixed shelf; exterior height of 42.5" $360

SA-1 First Light
Audio cabinet with adjustable shelf and fixed shelf exterior height 34.5" $312

SONY

AVH-555ES Source Selector
Audio/video source selector $450

XP-CD7 CD Cleaner
Automatic cleaner for compact discs $59.95

Portable CD Accessories
SRS-150. Self-powered portable speakers . $190/pr
RM-DM1K. Remote Commander and receiver $49.95
CPM-100P. Car mounting plate $49.95
DCC-120. Car battery cord $36.50
CPA-1. Car cassette adaptor allows hookup of a portable CD player to a car head unit $29.95
CK-CD6. Carrying case designed for portable CD players $19.95
CK-CD01. Soft carrying case for portable CD players $12.95

SOUND RUNNER

Sound Runner Oxygen Free Speaker Cables
Unplated high density copper strand cables.
8108. 8 gauge; stranding 133 x 29 ..... $1.50/ft
8110. 10 gauge; stranding 238 x 34 ..... $0.99/ft
8112. 12 gauge; stranding 168 x 34; teflon version available $0.69/ft
8116. 16 gauge; stranding 67 x 34; teflon version available $0.49/ft

STANTON

310B Professional Phono Preamp/Equalizer
Designed to correctly interface all Stanton-selected magnetic cartridges for optimum playback of records and calibration of audio systems. Features universal mounting brackets; selection of flat or NAB potemphasis curves; switchable rumble filter; individual gain adjust; high frequency responses; capacitive-cartridge loading trim. Can be used in balanced and unbalanced modes and in-phase and out-of-phase mix of L and R ch for mono reproduction of older records. Output/ch +20 dBm max; gain/ch adjustable 30-60 dB; balanced or unbalanced output; output source imp 5 ohms, designed for loads 150 ohms or higher; FR ±0.5 dB from 20-20,000 Hz in Flat or Nab positions; THD −0.05% at 20 dBm; rumble filter 3 dB knee at 28 Hz, −35 dB at 5 Hz; max input level at 1,000 Hz 120 mV; input resistance 47 kilohms; input capacitance 15 pF switchable in 50 pF steps to 350 pF max; ch sep 60 dB min 20-15,000 Hz. RCA phono jacks (input), 5-terminal barrier strip (output). 7.25 x 2.5 x 5 in $280

RC5-Plus Record Cleaner
Kit contains cleaning fluid that safely dissolves oily film, loosens microdust, other debris, leaves no residue. Contains antistatic ingredient. Comes with polarized brush and conductive handle. Can clean up to 300 record sides $17
2-oz refill $6
8-oz refill $10
RC4 2-oz refill $4
RC4 8-oz refill $9
RC4 replacement applicator pad $9
1-oz stylus cleaning fluid $3

ARC-5 Carbon Fiber Brush
Safe, fast and effective method of record care, eliminates static build up. Manufactured from aerospace high-elasticity carbon fiber, each filament is strong and flexible to reduce breaking or shedding on the record. Contains 1,000,000 filaments, each filament is 0.0003" (8 microns) diameter, allowing filaments to track record grooves like a diamond stylus, removing dust particles and static charges $15

SC4 Mini Stylus Cleaning Kit $8

SUMIKO

FB-1 Fluxbuster
Eliminates gradual magnetization of phono cartridges; designed to improve sonic performance in dynamic range, imaging, high-end linearity ... $250

AC-11 Stylus Cleaner
All-in-1 brush and bottle $16

Rigid Mounting Kit
Tools and hardware for mounting cartridges to tonearm $10

SYMDEX

Tonearm Adaptor
Adaptor that converts 5-pin phono plug to Tiffany RCA connectors to allow use of high quality interconnect cable between the tone arm and preamplifier. Uses copper wire in Teflon sleeving, gold Tiffany connectors. Includes mounting hardware $185

Spikes
Adjustable speaker feet that mount integrally into the base of speakers or wooden speaker stands for rigid coupling to the floor. Minimize speaker/floor junction area, with best results on rugs and carpets. Level adjustment compensates for uneven floors. Includes drill bit. Sold in sets of 8 ..... $40/set

TALWAR

Audio Cabinets
All Talwar audio cabinets are hand-finished wood, and fitted with solid-brass hardware. Feature 1" solid hardwood sides; structurally reinforced joints; tempered and beveled glass; 8-receptacle power supply with overcurrent protection; air columns; wire management system with wells for interconnects; removeable back; heavy-duty piano casters; full extension drawer for tapes and accessories; adjustable shelves. Custom-made units with different dimensions, marble tops, and exotic wood available
K-270 Low-boy. 3-sections, solid red oak, 3 adjustable shelves. 70.5 x 30 x 20 in; 320 lb $5,610
C-270. Solid cherry $6,340
M-270. Solid mahogany $6,690
W-270. Solid walnut $7,420
K-420 Standard Unit. Constructed of solid red oak. Features three fully-adjustable shelves. 24 x 48 x 20 in; 140 lb $2,010
C-420. Solid cherry $2,270
M-420. Solid mahogany $2,390
W-420. Solid walnut $2,660
K-320 Standard Unit. Constructed of solid red oak. Features two fully-adjustable shelves. 24 x 36 x 20 in; 120 lb $1,840
C-320. Solid cherry $2,090
M-320. Solid mahogany $2,200
W-320. Solid walnut $2,440
K-220 Standard Unit. Solid red oak, 1 adjustable shelf. 24 x 30 x 20 in; 100 lb $1,760
C-220. Solid cherry $1,980
M-220. Solid mahogany $2,090
W-220. Solid walnut $2,320

Cabinet Accessories
Rack Mounting Angles
24" with hardware for 5 components $64
36" with hardware for 8 components $98
48" with hardware for 10 components $129

Cabinet Lights
30" long interior light $160
22" long interior light $110

Additional Shelves and Drawers
Wood shelf. 16 x 20 x .75 in $78
Glass shelf. 16 x 20 x .5 in $102
Play-free sliders for turntables $129
4"-deep drawer for cassettes, accessories $119
6.5"-deep drawer for CDs, video tapes $167

SVC-1 Vibration Isolator
Isolation base with air springs to decouple turntable from air-borne and structure-borne vibrations. Features one 24.25 x 20.25 x 1.5 in. polished granite supported by air mounts. Requires bicycle pump or compressor to pump air into unit. Resonant freq 2.9 Hz; max loads 200 lb; 24.5 x 3.5 x 20.25 in; 95 lb $1,494

PLF-2 Power-Line Filter
Eliminates subtle distortion caused by equipment interaction as well as power line noise and hash. Functions as a safety device for excessive voltage spikes and can be plugged between affected component and outlet. Features active-tracking circuits making it insensitive to load impedance and allows users to plug in any combination of components without distortion, power line noise, or loss of signal strength $695

SN-1 Static Neutralizer
Eliminates electrostatically-charged air particles that cause dust and debris accumulation on records. Generates positive and negative ions simultaneously. Operates continuously while record is playing. Fits onto turntable platform or clips onto dustcover. Power consumption 0.5 watts; discharges 5000 volts to safe levels (<100 V) within 2 seconds. 6 x 1.5 x 1.5 in; 3 lb $368

Front Panel Remote Switch
Allows control of the power strip to be turned on and off from the front panel of the cabinet using a heavy-duty relay $168

FVS-1 Fan Ventilation System
Features rack-mountable panel; 1 fan; filter; vibration isolator; all mounting hardware. Noise level 26 dBA; air flow 45 CFM. Black anodized steel panel. 19 x 6 x 2 in; 4 lb $169
Additional fan $62

GB-12 Grounding Bus Bar
High purity copper bus bar eliminates hum induced by ground loops. Mounts into cabinet side. Includes hardware for 2 components. 1 x 12 x 0.25 in; 2 lb; 12" long $71

TDK

HD-11 Tape Deck Head Demagnetizer
Compact demagnetizer for open-reel or cassette decks. Color-coded LED's show charge status and operating mode. Plastic-covered pivoting tip discharges magnetic build-up on hard-to-reach heads $25.00

HD-01 Cassette-Deck Head Demagnetizer
Battery-operated demagnetizer housed in cassette shell. Discharges magnetic build-up. Recommended for decks that activate transport without power $17.50



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CRUTCHFIELD

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ACCESSORIES

HC-1 Cassette-Deck Head Cleaner
Designed to keep recording heads clean by removing oxide particles. Fits into deck like ordinary cassette. Recommended for use after 8 hours of use . . $1.50

HCW-01. Wet-Type audio cassette head cleaner $8.99

TEAC

E-2 Bulk Eraser
Erases 7″ and 10.5″ reels; pilot light; circuit breaker $100.00

E-3 Tape Head and Guide Demagnetizer
Removes residual magnetism $39.99

Carrying Cases
ACC-36. Briefcase holds 36 cassettes $29.95
CDC-20. Briefcase holds 20 compact discs . $29.95

Storage Cabinets
CSC-36. Holds 36 cassettes $19.99
ASC-42DX. Holds 42 cassettes $18.99

RMK Recorder Maintenance Kit
3 oz of HC-1 tape-head cleaner, 3 oz rubber cleaner/conditioner, 3 oz stainless polish, cotton swabs, cleaning cloth $9.99
HC-3. Replacement head cleaner; 2 oz. $4.89
RC-3. Replacement rubber cleaner $4.19
SP-3. Replacement stainless polish $4.89

Cassette Head Cleaners
QP-001. Wet system $8.99
2031. Dry system $1.59

Cables
SAC-215. 15-ft low-capacitance shielded dual RCA-RCA interconnect cable $7.79
2321. 25-ft coiled stereo headphone extension cable with .25″ phone plug at 1 end and jack at other end $7.49

TECHNICS

SH-R700 Intelligent A/V Remote Control
Features LCD; programmable; displays for CD, TV, VCR, and audio equipment; for table-top or hand-held operation $240
SH-R110. As above, preset for use with Technics audio equipment. Can be programmed for video$120

SH-8000 Frequency Analyzer
Features 31-point warble-tone generator and 5-setting sound-level meter; tweeter-protector switch; sensitive condenser mike; switchable (fast/slow) meter response speed for indication of transient or average peaks; battery check switch and meter indication; carrying case. FR 20-20,000 Hz ±2 dB; frequency precision ±6% or better; output level/imp 70 mV/1 kilohm; SPL measurement range 35-105 dB SPL (0 dB = 2 x 10^4 μbar); power source DC 9 V; battery life 10 hrs continuous operation; 8.47 x 2.44 x 4.81; 2.2 lb $190

SH-F101 Indoor Active Tuned FM Wing Antenna
Compact dipole for reception in strong signal areas. Features auto electronic tuning circuit; high gain; manual tuning knob; die-cast base; relative gain -2 db; figure-8 pattern; half-power angle 90x; output imp 75 ohm; standing-wave ratio 1.2 or less; power source DC 18 V; 19 lb. $125

SH-90S Universal/P-Mount Headshell Adaptor
Combination headshell/adapter allows use of P-mount cartridges in universal-headshell arms . . $30

SH-S1 Tripod Stand
Tripod stand for SB-F1 and SB-F2 speakers . . . $50
SH-S2. Angle mount for SB-F1 and SB-F2 speakers $40
SH-S3. Suspension chain, bracket for SB-F2 speaker $30

TRACKMATE

TM 351 Compact Disc Cleaner
Safely cleans CD's inside the disc storage case to protect the delicate label/mirror side of the CD and is approved to package a Kodak optical lens cleaning solution. Features a patented, non-abrasive brush geared for effective radial cleaning $19.95

TM 451 Record Cleaner
Dual-brush record cleaner removes dust, oils, and static electricity. Includes a stylus cleaner . . $14.95

TM161 Cassette Cleaner/Demagnetizer
Features cleaning solution pen; cleaner/demagnetizer; jewelbox storage case $14.95

TM301 CD Shield
Protects the recorded lable side of the CD from permanent damage. Contains 10 shields and free CD case $14.95

TM 151 Cassette Deck Cleaner
Audio cassette deck cleaner cleans the entire surface of all tape-contact components, an area 175% greater than the tape path itself. $9.95

TREE DIMENSIONS

CD-250 Cassette-CD-Video Storage Unit
Solid oak hand rubbed oil finish cabinet. Capacity for 260 CD's or 160 cassettes or 19 videos; 36 x 23.5 x 9-in; 16 lb. $89.95

CD-130 Cassette-CD-Video Storage Unit
Solid oak hand rubbed oil finish cabinet. Capacity for 130 CD's or 80 cassettes or 17 videos. 17.25 x 20 x 6.5-in; 7.5 lb $49.95

V-30 Cassette-CD-Video Storage Unit
Solid oak hand rubbed oil finish cabinet. Capacity for 88 CD's or 54 cassettes or 34 videos; 17.25 x 20 x 6.5-in; 7 lb. $39.95

CD-80. Same as above. Capacity for 88 CD's or 54 cassettes or 17 videos; 11 x 20 x 6.5-in; 5.7 lb$39.95
CD-50. Same as above. Capacity for 54 CD's or 33 cassettes or 10 videos; 11 x 13.25 x 6.5-in; 5.5 lb $29.95
V-15. Same as above. Capacity for 44 CD's or 27 cassettes or 17 videos; 8 x 20 x 6.5-in; 3 lb . $19.95

TWEEK BY SUMIKO

Tweek Fluid
Reduces contact resistance and rectification effects in all metal-to-metal slip-on connections, such as cartridge leads, interconnects, speaker terminals. Designed to make metals act as if conductivity had been increased. Pre-cleaning needed only if contact is badly corroded or very dirty. Brush-on applicator

PRICES LISTED

are manufacturers' suggested retail prices
(also referred to as *list* prices);
actual selling prices are set by individual dealers.
All prices are subject to change without notice.

bottle with 0.75 cc diluted in 6.25-cc isopropyl alcohol. Treats system 4 to 6 times. $18

ULTRALINEAR BY ESS

UL 0020 Speaker Stands
Speaker stands for almost any speaker. Walnut grain $28/pr

VANDERSTEEN AUDIO

OL-1 MC Pre-Preamplifier
Moving-coil preamp with variable loading and high-frequency roll-off. FR 1-500,000 Hz ±3 dB; max output 2 V; THD 0.01%; IMD 0.01% IHF; 4 x 2.5 x 6 in; 5 lb $285

VOGEL'S BY TEI ELECTRONICS

VE 2500 Speaker Base
3-position adjustable stand suitable for many speakers; sturdy impact-resistant ABS plastic; matte black; Max weight 55 lbs; min base 10 x 8 in $44/pr

VE 2000 Speaker Stand
Epoxy-finished metal speaker stands with continuously adjustable slope angle. Speaker may sit unattached on stand or can be mounted to stand with double-sided tape or screws. For speakers with base at least 8.5 x 7.5 in. Max weight 45 lbs. $37
VE 3000. As above, max weight 66 lb $45

DUO 220 Speaker Bracket
Speaker clamping bracket designed for speakers whose rear-panel construction makes them unsuitable for mounting with conventional brackets. Speaker clamps between 2 foam-rubber-covered 85-mm discs. Pivot point approx 6″ from wall. Max weight 45 lbs $34/pr

BEK 100 Speaker Bracket
Rotating speaker-mounting bracket can be fixed to virtually any wall. Can be adjusted vertically and horizontally. Black-finished steel supports 55 lbs. Bracket completely hidden by speaker $23/pr

Minor 50 Speaker Bracket
Wall bracket for mounting smaller speakers. Continuously adjustable through 180x horizontally and 30x vertically. Black-finished steel supports 10 lbs. Bracket completely hidden by speaker. $12/pr

YALE AUDIO

"Set-It-To-Here" Position Markers
Adhesive vinyl appliques indicate where controls should be set. Includes straight and curved arrows; arrows pointing to lines; pointing hands; switches; buttons in; buttons out. Useful for tone controls, equalizer sliders, tape-monitor buttons, processing loops, etc. Black, red, or white. $6.49

YAMAHA

YSR-20B Audio Cabinet
Fits all standard size components. Features glass lift top and doors. Black vinyl finish $400

SLC-10 Equipment Rack
Black metal, fits all standard 19″ rack mount components. Features rack or shelf mounting (4 shelves provided). 77 lb $479

YVR-2B Video Cabinet
Holds up to 27″ monitor and VCR. Features double glass doors. Black vinyl finish. $300

YVS-1B Video Cabinet
Genuine oak cabinet holds up to 27″ monitor and VCR. Features glass doors and casters. $250

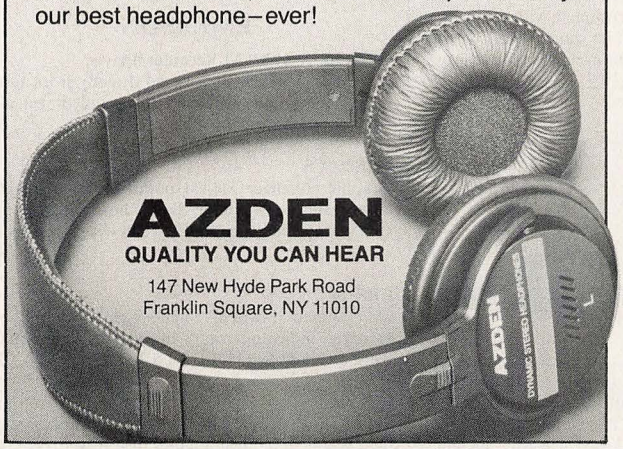
SPS-A1 Speaker Stands
For NS-1. Feature dark wood finish. $199/pr

OUR BEST HEADPHONE — EVER!

Nothing in our past listening experience prepared us for our first audition of the new DM-90 Digital-Monitor headphones. We were absolutely stunned. We then took the sample to our "golden ear" dealers, and they too were amazed!

The verdict: THE DM-90 AT $99.95 IS EQUAL TO, OR BETTER THAN ANY OTHER DYNAMIC HEADPHONE ON THE MARKET, AT ANY PRICE!

Some headphones can be said to have extended deep bass, others smooth midrange, some, transparent highs and superior dynamic range. Our new DM-90 has all of this, and more. It is unquestionably our best headphone—ever!



AZDEN
QUALITY YOU CAN HEAR
147 New Hyde Park Road
Franklin Square, NY 11010

Listen to the DM-90 at the following authorized dealers:

CALIFORNIA
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COLORADO
Sound Shop, Colorado Spgs • Soundtrack, Denver • Sound Company, Grand Junction • Soundtronix, Pueblo
DISTRICT OF COLUMBIA
The Equalizer
FLORIDA
Sound Advice, All locations • BrandsMart, Miami • La Mirage, Miami
GEORGIA
Atlanta Stereo, Atlanta
IDAHO
Sound Pro, Boise • Inkley's, Idaho Falls • Mel Quale's, Twin Falls
ILLINOIS
Musicraft, All locations • Stereo Systems, Aurora, Joliet, Naperville
MASSACHUSETTS
Cameras Inc., Arlington
MICHIGAN
Adray's, Dearborn
MINNESOTA
Campus Audio, Minneapolis
MONTANA
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NEW MEXICO
Town Crier, Clovis
PENNSYLVANIA
Sound Advice, Doylestown • Studio One, Erie • Gola Electronics, Philadelphia • Sounds Good To Me, Sharon
UTAH
Inkleys, Logan, Ogden, Salt Lake City • Gadgets, Salt Lake City
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New Music Box, Laramie

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POCKET STEREO



AIWA

HS-J800 Recording Pocket Stereo
Stereo recording capability complete with detachable one-point stereo mic. One hour quick charge battery system that includes AC adaptor/charger and an Aiwa



lead rechargeable battery for up to three hours playing time. Features built-in clock and AM/FM synthesizer tuner with LCD display; autoreverse; Dolby B; metal and normal tape selection; includes battery case, carrying case, and headphones .. $240
HS-T800. Same as above without recording capabilities..... $220

HS-J380 Recording Pocket Stereo
AM/FM recording pocket stereo with built-in clock and AM/FM synthesizer tuner and LCD display. Cassette unit with autoreverse; Dolby B; metal/normal tape selection. Includes headphones, belt clip and stereo mic..... $160
HS-T380. As above, no recording $130

HS-J360 Autoreverse Pocket Stereo
Pocket cassette player/recorder with AM/FM radio. Features stereo recording directly from built-in tuner, built-in electret mic; 3-way autoreverse; anti-rolling mechanism; auto stop; LED indicator lights for operation and battery strength. AC operation with optional AC-620 or RB-100 adaptors. Operates on rechargeable Ni-cad battery. 4.56 x 3.06 x 1.25-in..... $130

HS-T280 AM/FM Cassette Player
AM/FM cassette pocket stereo with LCD display and five station memory preset synthesized tuner. Features Dolby B; metal/normal tape selection; anti-rolling tape mechanism. Compatible with rechargeable Ni-Cad batteries and comes with headphones and belt clip. Available in black or white finish ... $100

HS-G360 Autoreverse AM/FM Pocket Stereo
Features Dolby B NR, 3-band graphic EQ; metal/CrO_2 tape selector; anti-rolling mechanism; compatible with rechargeable Ni-cad batteries. Uses 2 AA batteries. 4.5 x 3.38 x 1.38-in; 10.01 oz $65
HS-T260. Same as above without autoreverse and graphic EQ..... $65
HS-T230. Same as HS-T260 without Dolby ... $60

HR-SO1MKII AM/FM Pocket Stereo
Features folding headphones; second headphone jack. Uses 2 AA batteries. 4.6 oz $75

HS-P12 Headphone Cassette Player
Stereo headphone compact cassette player features anti-rolling drive mechanism; metal tape selector; auto stop; belt hanger. Available in black (HS-P12B), white (P-12A), or burgundy red wine ((P-12R) . $40

EMERSON

CRR100CS AM/FM Recorder/Player
Built in condenser mic, record directly from tuner. DC power 3 V; 2 AA batteries (not included); belt clip; stereo headphones; 5.5 x 3.5 x 1.6-in $59

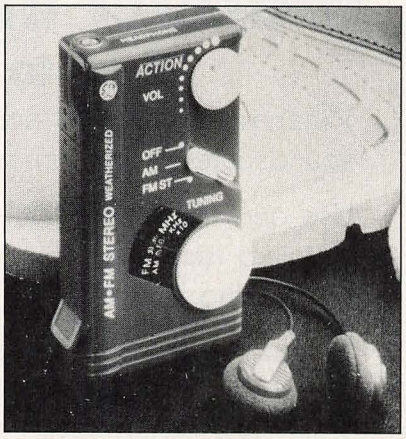
CRS260CS
Graphic equalizer AM/FM portable stereo cassette. AM/FM stereo switching; stereo headphones; auto-stop tape mechanism; attached belt clip; 3 V; 3.5 x 5.1 x 1.4-in $49

CRS 24
AM/FMstereo switch; lightweight headphones; FMstereo indicator; rotary tuning and volume controls; attached belt clip; 3 V; 5.3 x 3.5 x 1.4-in.. $39

CS15CS
Stereo cassette tape player. Auto-stop tape system; lightweight stereo headphones; fast forward control; attached belt clip; 3 V; 3.5 x 4.5 x 1.8-in $24

GE CONSUMER ELECTRONICS

7-1990 Pocket AM/FM Stereo
Mini-size portable AM/FM stereo radio. Features earbud-type headphones; adjustable armband; uses 1



AAA-size battery; blue-and-yellow; rotary volume and tuning controls; band selector $27

HITACHI

CP-203R AM/FM Cassette Recorder
With headphones; locking rewind; auto stop; built-in condenser mic; AM/FM tuner; <1 lb..... $60

CP 201R AM/FM Cassette Player
Auto stop; fast forward and rewind; FM AFC; headphones; carrying clip; needs 2 AA batteries. FR 60-12,000 Hz with normal tape 3.33 x 5.5 x 1.36 in $30

JVC

CS-R9 Pocket Radio/Cassette Recorder
Combination pocket AM/FM stereo radio and autoreverse cassette recorder with remote control. Features full-logic cassette mechanism; recording capability with external mic; rechargeable battery; bass enhancer; headphones $300

CX-F3K Pocket Radio/Cassette Player
Combination pocket AM/FM radio and cassette player with 5-band SEA graphic equalizer. Features headphones; Dolby B noise reduction; autoreverse; tape selector $100

CX-F2K Pocket Radio/Cassette Player
Combination pocket AM/FM radio and cassette player with 3-band SEA graphic equalizer. Features headphones; autoreverse; tape selector..... $100

LENOXX

868 AM/FM Stereo Recorder with Speakers
AM/FM stereo cassette recorder with built-in speakers and 3-band graphic equalizer. Features AM/FM/FM stereo slide rule tuner; records from AM/FM or built-in mic; auto level control for recording; auto stop; FM stereo muting switch; built-in FM antenna; telescoping FM antenna; built-in condenser mic; lightweight headphones; 5.76 x 3.5 x 1.75 in; 11.5 oz; uses 2-AA batteries $59

935 AM/FM Cassette Player with 3 EQ
Personal cassette player features slide-rule tuner; 3 equalizers; lightweight, adjustable headphones; auto stop; removeable belt clip; uses 2-AA batteries . $39

900 Personal Receiver with Cassette Player
AM/FM/FM stereo portable receiver with built-in stereo cassette player. Features lightweight, adjustable headphones; removable belt clip; auto stop; slide-rule tuner; stereo headphone jack; DC input jack; FM stereo muting switch; 6 x 3.5 x 1.5 in; uses 2-AA batteries $29

894 Stereo Cassette Player
Plays all stereo or mono cassettes and metal tapes; Features rotary volume control; lightweight, adjustable headphones; built-in belt clip; 3.5 x 4.75 x 1.5 in; uses 2-AA batteries..... $19

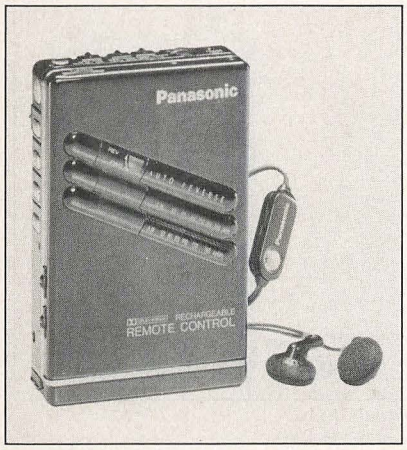
882 AM/FM Headphone Radio
Headphone radio receives AM/FM broadcasts. Features adjustable headband; unbreakable antenna with safety tip; 6.5 x 6 x 1.75 in; uses 2-AA batteries $10

PANASONIC

RX-SA255 FM/AM Stereo Cassette Player
FM/AM/FM personal stereo radio cassette player with remote control and rechargeability. Features Ni-Cad Battery charger provides 3-hour playback on 2-hour charge; auto-reverse/reverse mode selector; Dolby NR; metal/CrO_2 normal tape selector; DX-local FM sens selector; FM stereo/mono mode selector; volume and tone controls; lightweight stereo earphones; LED power/batt indicator; jacks for DC-in and headphone; battery charger and case; 4.5 x 2.94 x 1 in; .38 lb; operates on 2 AA batteries..... $249

RX-SA79 AM/FM/Cassette Pocket Stereo
Extra Bass System (off, light, or heavy); autoreverse; NiCad battery charger for 3 hrs of play; 3-band graphic equalizer; Dolby NR; DX/local FM-sens

switch; headphones; belt clip; auto stop; uses battery charger or 1 AA battery. 9 oz $169



Panasonic RX-SA255

RX-SA73 FM/AM Stereo Radio Cassette Player
FM/AM/FM personal stereo radio cassette player with 3-band graphic equilizer and rechargeability. Features Ni-Cad battery charger provides up to 3 hours of playback on 2-hour charge; auto-reverse/reverse mode selector; direction control; dolby NR; anti-rolling mechanism; auto-stop; DX-local FM sens selector; vol and tuning controls; LED tape/batt indicator; jacks for DC-in and headphone; detachable belt clip; 4.5 x 3.06 x 1.13 in; .5 lb $139

RF-HX7 FM Stereo Radio Headphones
FM stereo tuner built into headphones with cord to connect to pocket cassette player or portable CD player; mica-filled flat diaphragms; soft muting; FM stereo/mono switch; power LED; LC-OFC connection cord and phone plug adaptor; needs 2 AAA batteries. 5.5 oz. $109

RX-SA78 AM/FM/Cassette Pocket Stereo
1 radio-station preset; headphones; autoreverse; built-in 5-band graphic equalizer; Dolby NR; anti-roll mechanism; bias/EQ for normal or chrome/metal tape; DX/local FM-sens switch; FM stereo LED; belt clip; needs 2 AA batteries. 9 oz $109

RX-SR39 FM/AM Stereo Radio Cassette Recorder
FM/AM/FM personal stereo radio cassette recorder with built-in front speaker and sound level equalizer. Features Ni-Cad battery charger; built-in condenser microphone; high/low tone selector; electronic pause control; auto-stop; DX-local FM sens selector; FM stereo/mono mode selector; DC-in, ext. stereo mic and headphone jacks; detachable belt clip; 4.88 x 3.38 x 1.5 in; .5 lb; Operates on 2-AA batteries $109

RX-SA67 FM/AM Stereo Cassette Player
FM/AM/FM personal stereo radio cassette player with XBS and auto-reverse. Features anti-rolling mechanism; DX-local FM sens selector; forward/reverse direction control; LED FM stereo indicator; stereo headphones; detachable belt clip; jacks for DC-in and headphone; 4.88 x 3.38 x 1.5 in; .69 lb; Operates on 2 AA batteries $89

RX-SR29 FM/AM Stereo Radio Cassette Recorder
FM/AM/FM personal stereo radio cassette recorder with cue and review controls. Features one-touch and follow-up recording; built-in FM/AM/FM stereo tuner; built-in condensor microphone; electronic pause control; DX-local FM sens selector; FM stereo/mono mode selector; beat proof switch; auto-stop; lightweight stereo headphones; detachable belt clip; jacks for DC-in, ext stereo mic, and headphone; 4.88 x 3.38 x 1.5; .5 lb $89

RF-HD5 FM Stereo Headphone Radio
Splash-proof collapsible radio with rubber helical whip antenna; FM stereo/mono switch; DX/local FM-sens switch; plays up to 30 hrs on one AAA battery (not included). 3 oz $74

RX-SA66 AM/FM/Cassette Pocket Stereo
Autoreverse; Ultra-Phonic mode to boost highs and lows; anti-roll mechanism; DX/local FM-sens switch; FM stereo LED; belt clip; FF and rewind; headphones; needs 2 AA batteries or optional AC adaptor. 5.5 oz. $69

RX-SA64 FM/AM Stereo Radio Cassette Player
FM/AM/FM personal stereo radio cassette player with 48-hour playback time. Features built-in roll-up stereo earphones; auto-stop DX-local FM sens selector; volume and tuning controls; LED FM stereo indicator; headphone jack; 4.88 x 3.38 x 1.5 in; .69 lb; Operates on 2-C batteries $49

RX-SA60 AM/FM/Cassette Pocket Stereo
With headphones; auto stop; DX/local FM-sens switch; FF and rewind; FM stereo LED; belt clip; needs 2 AA batteries or optional AC adaptor; in black, red, pink, or silver. 8 oz $45

RF-H6 AM/FM Collapsible Headphone Radio
FM/AM/FM stereo headphone radio with collapsible design. Features built-in FM stereo/AM tuner; open-air headphones; FM stereo/mono mode selector; DX-local FM sens selector; rotary vol and tuning controls; ext. antenna jack and included FM antenna cord; .19 lb; Operates on 1 AAA battery $44

RF-H2 FM Stereo Headphone Radio
Open-air design; FM stereo/mono switch; DX/local FM-sens switch; built-in and external antennas; needs 1 AAA battery; in yellow, red, or lavender. 2 oz $35

RQ-JA52 Stereo Cassette Player
Stereo cassette player with lightweight stereo headphones. Features auto-stop; volume control; detachable belt clip; DC-in and headphone jacks; optional AC adaptor; 4.5 x 3.38 x 1.44 in; .44 lb; Operates on 2-AA batteries $25

RF-423 AM/FM Stereo Headphone Radio
FM/AM/FM stereo radio with lightweight stereo headphones. Features FM stereo/mono mode selector; LED FM stereo indicator; slide-rule tuning dial; detachable belt clip; headphone jack; lightweight stereo headphones; 4.38 x 2.5 x .94 in; .25 lb; operates on AAA batteries $24

QUASAR

GX3677 Cassette/AM/FM Pocket Stereo
Features autoreverse; metal/chrome capability; built-



in condenser microphone. Use 2 AA batteries . $100

GX3676 Cassette/AM/FM Pocket Stereo
Features 3-band equalizer; autoreverse with direction button; local/DX switch; anti-roll mechanism; FM



AFC; tone switch. Detachable belt clip and lightweight headphones included. Uses 2 AA batteries. 3.31 x 5 x 1.5 in; 11 oz $60

GX3667 Cassette/AM/FM Pocket Stereo
Features lightweight headphones; auto stop; fast forward and rewind; LED FM stereo indicator; local/DX switch. available in black, pink, or lavender. Uses 2 AA batteries. $35

REALISTIC

SCP-5 AM/FM Stereo Cassette Recorder
Autoreverse; Dolby B; EQ switch for all tapes; LED's for tape direction, FM stereo, low batteries; belt clip; needs 2 AA batteries. 5.75 x 3.5 x 1.4 in $80

SCP-17 Stereo Cassette Recorder
Mono speaker; records in stereo with built-in mics; jacks for external mics; FF and rewind; L and R volume controls; compatible with rechargeable batteries; case with shoulder strap; needs 2 AA batteries. 5 x 3.4 x 1.9 in $80

SCP-19 Stereo Cassette Player
Dolby B; autoreverse; EQ switch for all tapes; LED's for tape direction, batteries; belt clip; needs 2 AA batteries. 4.75 x 3.5 x 1.4 in. $60

SCP-24 AM/FM Stereo Cassette Player
L and R volume controls; FM stereo/battery LED; detachable belt clip; auto stop; needs 3 AA batteries. 5.7 x 3.7 x 1.6 in. $40

SCP-20 Stereo Cassette Player
Equalizer boosts or cuts bands centered at 100, 1,000, and 10,000 Hz; auto stop; LED for batteries; detachable belt clip; needs 2 AA batteries. 4.5 x 3.25 x 1.3 in $30

SCP-22 Stereo Cassette Player
L and R volume controls; auto stop; LED for batteries; detachable belt clip; needs 2 AA batteries. 4.5 x 3.5 x 1.4 in $25

SCP-26 Stereo Cassette Player
Weatherproof housing; belt clip; needs 2 AA batteries. 4.75 x 4.1 x 1.75 in $30

RHAPSODY BY ALARON

RY-381 AM/FM/Cassette Pocket Stereo
Cassette pocket stereo with AM/FM tuner. Features FM-stereo indicator; stop, FF, play cassette operation; belt-clip; slide volume control; stereo headphone; 3 V

DC input jack. Uses 2 AA batteries. 5.38 x 3.75 x 1.75-in $35

RY-378 AM/FM/Cassette Pocket Stereo
Cassette pocket stereo with AM/FM tuner. Features auto-stop; stop, FF, play cassette operation; belt-clip; volume control; stereo headphone. Uses 3 AA batteries. 6.38 x 3.5 x 1.38-in $30

RY-280 Solar AM/FM Pocket Stereo
Solar cells recharge built-in Ni-Cad battery. Includes folding lightweight headphones; adjustable elastic arm band; pocket clip. 3.5 x 1.63 x 0.75-in $30

RY-275 AM/FM Pocket Stereo
Includes folding headphones; adjustable elastic arm band; transparent pouch for all-weather use. 3.75 x 1.25 x 0.63 ..... $24

RY-278 AM/FM Headphone Receiver
AM/FM-multiplex featherweight headphone radio with adjustable headband that folds up for storage. Features foam-padded earpieces; LED stereo indicator; in-out jack; doubles to connect with other personal or home stereos (connecting cables not included); operates on 2 AA batteries (not included) $17

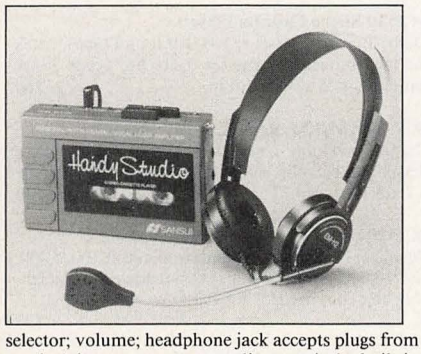
RY-270 Cassette Pocket Stereo
Cassette pocket stereo features slide volume control; stereo headphone; high-impact case. Uses 2 AA batteries. 4.25 x 3.25 x 1.38-in $14

RY-212 AM/FM/Cassette Pocket Stereo
Cassette pocket stereo with AM/FM tuner. Features FM-stereo indicator; belt-clip; carrying strap; L/R volume controls; stereo headphone. Uses 2 AA batteries. Available blue, black, or mauve; 5 x 3.25 x 1.38-in $12

RY-273 Mini FM Receiver
Features headphone; slide switch for power and volume. Uses 3 A76 button-cell batteries (not included). 3 x 1.25 x 0.44-in $10

SANSUI

EM-P2 Cassette Player/Mixer/Amp
Designed for musicians and vocalists. Features play; stop; rewind/review; fast forward/cue; tape/tone



selector; volume; headphone jack accepts plugs from musical instruments; stereo line-out jack; built-in mic; echo control; ±15% pitch control $175

SANYO

MGR95R Pocket AM/FM Stereo Cassette Player
Mini-size AM/FM tuner/cassette player with autoreverse. Features recording from detachable stereo mic or from either radio band; EBSS (Extended Bass Sound System) $100

WR66 Pocket AM/FM Stereo Cassette Player
Mini-size splash-proof cassette player with built-in AM/FM tuner. Features specially sealed case; anti-rolling mechanism; AFC; stereo/mono switch; FM-stereo indicator; auto-stop mechanism; stereo head phones; belt clip; locking fast winds. Uses 2 AA batteries $80

MGR85D Pocket AM/FM Stereo Cassette Player
Mini-size AM/FM tuner/cassette player with autoreverse. Features Dolby noise reduction; 3-band graphic EQ; cue and review; rechargeable capability; EBSS bass enhancement $70

MGR87 Pocket AM/FM Stereo Cassette Player
Mini-size autoreverse cassette player with built-in AM/FM tuner. Features 3-band graphic equalizer; rechargeable capability; auto-stop mechanism; locking fast winds; FM-stereo indicator; lightweight headphones; belt clip. Uses 2 AA batteries. Available in black, white, or red. $60

MGR84RG Pocket AM/FM Stereo Cassette Player
Mini-size AM/FM tuner/cassette player. Features 3-band graphic equalizer; auto stop; stereo headphones; FM stereo indicator; detachable belt clip; rechargeable AA-size batteries; AC charger $55
MGR84. As above, without batteries or charger $50

MGP34RG Pocket AM/FM Stereo Cassette Player
Mini-size AM/FM tuner/cassette player. Features 3-band graphic equalizer; lightweight stereo headphones; locking fast-forward; detachable belt clip; 2 rechargeable AA-size NiCd batteries; AC charger $40
MGP34. As above, without batteries or charger $35

RP90 Headphone Radio
One-piece AM/FM stereo headphone radio. Features folding headband; thumbwheel volume and tuning controls; telescopic rod antenna. Comes in red, black, and yellow. $35

SHARP

Optonica Pocket JC-870 AM/FM/Cassette Player
Ultra-mini-size unit. Features full-logic autoreverse; wired remote control; AM/FM stereo; Dolby B noise

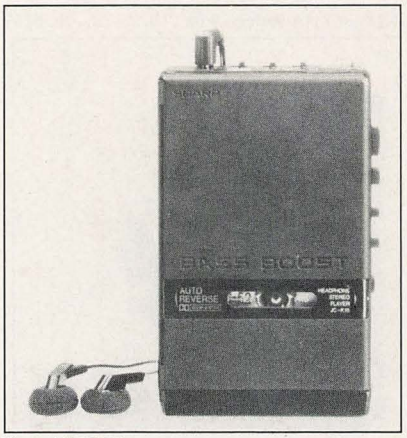


reduction; X-Bass; rechargeable battery pack; anti-rolling mechanism; oxygen-free copper cord for headphones. $250

Optonica Pocket JC-280 Cassette Player
Ultra-mini-size portable cassette player with Dolby B and C noise reduction. Features full-logic autoreverse; wired remote control; X-Bass; rechargeable battery pack; amorphous head; gold-plated jack and headphone plug; anti-rolling mechanism; oxygen-free copper cord; ultra-thin headphone plates . $230
Optonica JC-270. As above without ultra-thin headphone plates or Dolby C NR $200

JC-K15G Pocket Cassette Player
Ultra-mini-size cassette player with Dolby B noise reduction. Features autoreverse; bass-boost system; metal-tape capability; headphones; LED power indicator $130

JC-534 Pocket Radio/Cassette Player
Mini-size unit with autoreverse. Features X-Bass; Dolby NR; 3-band graphic equalizer; anti-rolling mechanism; AM/FM stereo radio; LED battery-strength indicator; detachable belt clip; headphones. $100



Sharp JC-K15G

JC-R88 Pocket Radio/Cassette Player
Pocket AM/FM stereo radio and cassette player. Features autoreverse; 3-band graphic equalizer; anti-rolling mechanism. Available in black, blue, red, and yellow $80

JC-516 Pocket Radio/Cassette Player
Ultra-compact size pocket radio/cassette player wtih autoreverse and 3-band graphic equalizer; anti-rolling mechanism. Available in black, blue, red, and silver $70
JC-136. As above without graphic equalizer ... $30

JC-508 Pocket Radio/Cassette Player
Features autoreverse; lockable FF/REW controls; anti-rolling mechanism; LED FM-stereo indicator; lightweight headphones; belt-clip. Available in black or red $50

JC-128 Pocket Radio/Cassette Player
Compact-size pocket radio and cassette player. Features volume control; FF; REW; STOP. Available in pink, yellow, black, blue, and red $30

JC-130 Pocket Radio/Cassette Player
Features lightweight headphones; auto-stop system; locking fast-forward; detachable belt clip; FM-stereo indicator $30

SONY

WM-D6C Pocket Cassette Recorder
Features record and play modes; Dolby B & C; disc quartz-lock drive system; stereo mini microphone jack; anti-rolling mechanism; 3-way power supply. Includes headphones, case, and connection cord. Uses 4 AA batteries. 6.74 x 1.5 x 3.75 in; 1 lb, 7 oz $400

WM-D3 Pocket Cassette Recorder
Features record and play modes; Dolby B & C; disc drive; stereo mini microphone jack; anti-rolling mechanism; 3-way power supply. Includes headphones, case, connection cord, and strap. Uses 2 AA batteries. 5 x 1.38 x 3.25 in; 13.1 oz $270

WM-F200II Pocket Cassette/Radio
Features autoreverse; record and play modes; Dolby B; stereo mini microphone jack; belt drive system; anti-rolling mechanism; AM/FM tuner; local/DX switch; 3-way power supply. Includes headphones, rechargeable battery, charger, one-point stereo microphone, and case. 2.75 x 4.38 x 0.88 in; 8.2 oz $250

WM-F109 Pocket Cassette/Radio
Features remote control; rechargeable battery; Dolby B noise reduction; autoreverse; belt-drive system; anti-rolling mechanism; AM mono and FM stereo reception; local/DX switch. Comes with charger, battery, and carrying case; 4.5 x 2.88 x 1 in; 7.4 oz. $230

WM-F601 Pocket Cassette/Radio
Features Sony Mega-Bass; Dolby B noise reduction; autoreverse; rechargeable battery; belt-drive system; anti-rolling mechanism; AM mono and FM stereo reception; local/DX switch. Comes with battery, charger, carrying case, and DC-in charger. 4.25 x 2.75 x .91 in; 6.7 oz $220

WM-F100III Pocket Cassette/Radio
Features autoreverse; Dolby B; belt-drive system; anti-rolling mechanism; AM/FM tuner; local/DX switch; 3-way power supply. Includes headphones, rechargeable battery, charger, and case. 2.75 x 4.36 x 0.78 in; 7.1 oz..... $160

WM-100III Pocket Cassette Player
Features play mode; Dolby B; belt-drive system; anti-rolling mechanism; autoreverse; headphone; comes with batteries, charger, and carrying case. 4.38 x 2.75 x .78 in; 6.7 oz $140

WM-F73 Pocket Cassette/Radio
Features autoreverse; Dolby B; water-resistant design; belt drive system; anti-rolling mechanism; AM/FM tuner; local/DX switch; 3-way power supply. Includes headphones and belt clip. Uses 2 AA batteries. 3.48 x 4.53 x 1.42 in; 11.2 oz..... $120

WM-AF64 Pocket Cassette/Radio
Features preset tuning; Dolby B noise reduction; autoreverse; belt-drive system; anti-rolling mechanism; AM mono and FM stereo reception; local/DX switch. Comes with belt-clip. 4.63 x 3.5 x 1.5 in; 8.7 oz..... $100

WM-F46 Pocket Cassette/Radio
Features record and play modes; stereo mini microphone jack; belt-drive system; AM/FM tuner; local/DX switch; 3-way power supply. Includes headphones and belt clip. Uses 2 AA batteries. 3.47 x 5.5 x 1.45 in; 12.3 oz..... $80

WM-F45 Pocket Cassette/Radio
Features water-resistant design; belt-drive system; anti-rolling mechanism; AM/FM tuner; local/DX switch. Includes headphones and strap. Uses 2 AA batteries. 5.5 x 3.62 x 1.5 in; 11.3 oz..... $75

WM-AF55 Pocket Cassette/Radio
Features autoreverse; Sony Mega-Bass; belt-drive system; AM mono and FM stereo reception; local/DX switch. Comes with belt-clip. 3.75 x 5.25 x 1.56 in; 9.7 oz..... $70

WM-A52 Pocket Cassette Player
Features play mode; belt-drive system; headphone. Comes with belt clip. 4 x 5.5 x 1.63 in; 11.3 oz. $63

WM-A39 Pocket Cassette Player
Features play mode; Dolby B noise reduction; Sony Mega-Bass; belt-drive; anti-rolling mechanism; autoreverse. Comes with belt clip. 3.66 x 4.78 x 1.56 in; 8.1 oz..... $63

WM-AF42 Pocket Cassette/Radio
Features autoreverse; belt-drive system; AM mono and FM stereo reception; local/DX switch. Comes with belt-clip. 3.75 x 5.25 x 1.5 in; 9.3 oz..... $60

WM-AF28 Pocket Cassette/Radio
Features rechargeable battery; belt-drive system; AM mono and FM stereo reception; local/DX switch. Comes with belt-clip, battery, and charger. 3.47 x 5.28 x 1.28 in; 8.1 oz $53

SRF-M40W Pocket Radio
Features PLL-synthesized tuner; 7 AM/7 FM station presets; AM mono and FM stereo reception; local/DX switch. Comes with belt-clip. 3.7 x 3.3 x 1.09 in; 6 oz..... $50

SRF-5 Pocket Radio
FM-only radio with water-resistant design and local/DX switch. Includes headphones and holder. Uses 2 AA batteries. 1.5 x 4 x 0.56 in; 2.2 oz..... $50

WM-AF22 Pocket Cassette/Radio
Features belt-drive system; AM mono and FM stereo reception; local/DX switch. Comes with belt-clip. 3.47 x 5.28 x 1.25 in; 7.9 oz..... $43

SRF-R7 Headphone Radio
Features AM/FM tuner and local/DX switch. Uses 2 AA batteries. 4.8 oz $40

WM-A18 Pocket Cassette Player
Features play mode; belt-drive system. Comes with belt clip, battery, and charger. 3.47 x 4.81 x 1.28 in; 7.2 oz..... $40

SRF-4 Pocket Radio
AM/FM radio with water-resistant design and local/DX switch. Includes headphones and holder. Uses 2 AA batteries. 2.25 x 4.25 x 0.84 in; 4 oz..... $33

WM-A10 Pocket Cassette Player
Features play mode; belt-drive system. Comes with belt clip. 3.47 x 4.81 x 1.25 in; 7.7 oz..... $30

SRF-FM2 Headphone Radio
FM-only radio with local/DX switch. Uses 2 AA batteries.3.6 oz..... $30

SRF-35W Pocket Radio
AM/FM radio with 3-band graphic EQ and local/DX switch. Includes headphones and belt clip. Uses 2 AA batteries. 3.41 x 2.72 x 0.88 in; 4.4 oz..... $27

SRF-19W Pocket Radio
AM/FM pocket radio uses 2 AA batteries. 4.33 x 2.38 x 0.88 in; 3.6 oz..... $20

SRF-16W Pocket Radio
FM-only radio with local/DX switch. Include headphones and belt clip. Uses 2 AA batteries. Available in different colors. 2.5 x 4.38 x 0.88 in; 1.7 oz $15

TOSHIBA

KT-4088 Pocket Radio/Cassette
Combination AM/FM radio/cassette player. Features Super Bass; autoreverse; wired remote control; Dolby B NR; music quick start system; earbuds $230

KT-4978 Pocket Cassette Player
Features Super Bass; autoreverse; Dolby B NR; full IC logic wired remote control; anti-rolling mechanism; earbuds with case; uses on AA battery..... $190

KT-4078 Pocket Radio/Cassette
Combination AM/FM radio/cassette player. Features autoreverse; wired remote control; Dolby B NR; music quick-start system; earbuds $190

KT-4188 Pocket Cassette Player
Mini-size pocket cassette player. Features Super Bass; autoreverse; Dolby B NR; full IC logic wired remote control; anti-rolling mechanism; earbuds with case; uses on AA battery $180

KT-4868 Pocket Radio/Cassette
Combination AM/FM radio/cassette player. Features autoreverse cassette mechanism; desktop AC charger-;Dolby B noise reduction; stereo headphones; up/down channel selector; 3-band graphic equalizer; carrying cradle $180

KT-4968 Pocket Cassette Player
Mini-size pocket cassette player. Features Dolby B noise reduction; autoreverse cassette mechanism; anti-rolling mechanism; earbud style stereo headphones; uses AA $170

KT-4568 Pocket Radio/Cassette
Combination AM/FM radio/cassette player. Features autoreverse; digital tuning; Dolby B noise reduction; headphones; up/down radio-channel selector; 3-band graphic equalizer; carrying cradle $170

KT-4087 Pocket Radio/Cassette
Built-in mic for rec; 3 band graphic EQ; autoreverse; Dolby B NR; AM/FM tuner..... $160

KT-4848 Pocket Radio/Cassette
Combination AM/FM radio/cassette player. Features autoreverse; Dolby B NR; headphones; 3-band graphic EQ; carrying cradle; rechargeable NiCd..... $120

KT-4538 Pocket Radio/Cassette
Combination AM/FM radio/cassette player. Features autoreverse; digital tuning; Dolby B NR; headphones; up/down channel selector; 3-band graphic EQ; carrying cradle; 10 random presets $110

KT-4048 Pocket Radio/Cassette
Combination AM/FM radio cassette player. Features autoreverse cassette mechanism; Dolby B noise reduction; stereo headphones; 3-band graphic equalizer; belt clip; anti-rolling mechanism $90

RP-2068 Headphone/Radio
1-piece design stereo headphone/AM/FM radio. Digital tuning with 10 AM 5FM preset stations; clock and alarm functions $80

KT-4038 Pocket Radio/Cassette
Combination AM/FM radio cassette player. Features autoreverse cassette mechanism; headphones; 3-band graphic EQ; belt clip; anti-rolling mechanism; 3-band graphic EQ $80

RP-2057 Pocket Radio
Features digital-synthesized tuning; 10 station presets; up/down channel selector; uses 2 AAA-size batteries $70

KT-4028 Pocket Radio/Cassette
Combination AM/FM radio cassette player. Features headphones; 3-band graphic EQ; belt clip; 3-band graphic EQ..... $60

KT-4018 Pocket Radio/Cassette
Combination AM/FM radio cassette player. Features headphones; auto shutoff; belt clip..... $50

RP-2028 Pocket Radio
Features 3-band graphic equalizer; FM stereo indicator; stereo headphones; belt clip $40

RP-2018 Pocket Radio
Features FM stereo indicator; built-in AFC; headphones; belt clip..... $25

For explanations of abbreviations, specifications and technical terms, consult the glossary on page 209.

PRICES LISTED
are manufacturers' suggested retail prices
(also referred to as *list* prices);
actual selling prices are set by individual dealers.
All prices are subject to change without notice.

BLANK TAPE



BASF

Digital Audio Tapes
Ultra-fine metallic pigment specifically developed for helical-scan recording.
DAT C120. 120 min $11.99
DAT C90. 90 min $10.99
DAT C60. 60 min $9.99

Metal Maxima IV Cassettes
Metal particle formulation features high performance cassette mechanism.
C120. 120 min $6.49

Chrome Maxima II Cassettes
As above, chrome formulation.
C90. 90 min $4.29
C60. 60 min $3.29

Chrome Extra II Cassettes
Pure chrome formulation features high-performance cassette mechanism.
C90. 90 min $2.99
C60. 60 min $2.69

Ferro Super I Cassettes
Iron oxide formulation features extra high frequency sensitivity for greater frequency response.
C90. 90 min $2.54
C60. 60 min $1.94

Ferro Extra I Cassettes
Iron oxide formulation features extended signal-to-noise ratio over the entire frequency range.
C90. 90 min $1.69
C60. 60 min $1.49

DENON

All Denon cassettes feature large window, life-time warranty, and head cleaning leader.

High Density Series

HD-M Metal Cassettes
High-stability pure metal tape formulation uses high-density dispersion technology that yields a residual magnetic flux density of over 3,500 Gauss and a coercivity of 1,200 Oersted.
HDM-100. 100 min..... $5.99
HDM-90. 90 min..... $5.50
HDM-75. 75 min..... $4.99
HDM-60. 60 min..... $4.50

HD8 High-Bias Cassettes
High-density metal particle formula uses New High Technoroum magnetic pigment to increase residual flux density to 3,000 gauss yielding an MOL of -4.5 dB at 10 kHz.
HD8-100. 100 min..... $4.99
HD8-90. 90 min..... $4.75
HD8-75. 75 min..... $4.25
HD8-60. 60 min..... $3.75



HD7 High-Bias Cassettes
Type-II formulation with extended high-frequency response and low noise. Residual flux density 1,850 Gauss, MOL -6.5 dB at 10 kHz.
HD7-90. 90 min..... $4.00
HD7-60. 60 min..... $3.00

HD6 High-Bias Cassettes
Type-II formulation with extended high-frequency response. Residual flux density 1,700 Gauss, MOL −5.7 dB at 10 kHz.
HD6-90. 90 min..... $3.25
HD6-60. 60 min..... $2.50

DX Series

DX4 Ferric Normal Cassettes
Type-I formulation with extended frequency response. Residual flux density 2,000 Gauss, MOL -5.0 dB at 10 kHz.
DX4-90. 90 min..... $4.00
DX4-60. 60 min..... $3.00

DX1 Ferric Normal Cassettes
Low-noise high-output type I cassette with high sensitivity and high MOL (-7.5 dB at 10 kHz).
DX1-90. 90 min..... $2.25
DX1-60. 60 min..... $1.75

FUJI

FR Metal Series Cassette Tape
Metal-coated tape with tensilized polyester base; designed for metal bias, 70-µsec EQ.
FR (C-90). 90 min..... $8.49
FR (C-60). 60 min..... $6.39
FR (C-46). 46 min..... $4.99

FR-II Series Cassette Tape
Chromium dioxide cassettes with tensilized polyester base; designed for Type II/CrO_2 bias, 70-µsec EQ. Comes packaged in hinged plastic box.
FR-II (C-90). 90 min..... $5.99
FR-II (C-60). 60 min..... $4.49

FR-II Super Series Cassette Tape
Super-premium Type II high-bias casettes with 70 µs EQ and cobalt-modified Beridox particles.
FR-II Super (C-90). 90 min..... $6.49
FR-II Super (C-60). 60 min..... $4.89

DR Series Cassette Tape
DR (C-90). 90 min..... $3.49
DR (C-60). 60 min..... $2.59

Digital Audio Tape
Super-Fine Metallix ultra-fine metal magnetic particle formulation. For use with digital audio tape players and recorders.
DAT (R-120). 120 min $12.95
DAT (R-90). 90 min $11.95
DAT (R-60). 60 min $10.95



Fuji DAT (R-120)

GOLDSTAR

All tapes have tensilized polyester base material; tape width 3.81 mm; tape length 135 m; yield strength (5%) kg; breaking strength 1.0 kg; residual elongation 0.05%; squareness ratio 0.85; sens uniformity 0.3 dB; output fluctuation 0.4 dB (except for HD: 0.5 dB).

AHD-9011
Coercivity 340 Oe; retentivity 1,300 Gauss; sens +0.5 dB (315 Hz).
C-90. 45 min per side..... $0.99

AHR-9011
Coercivity 340 Oe; retentivity 1,500 Gauss; sens +1.0 dB (315 Hz).
C-90. 45 min per side..... $1.29

AHZ-9011
Coercivity 360 Oe; retentivity 1,600 Gauss; sens +2.0 dB (315 Hz).
C-90. 45 min per side..... $1.99

AHP-9011
C-90. 45 min per side..... $1.19

CRX-9011
Cobalt-doped iron-oxide particles. Coercivity 550 Oe; retentivity 1,600 Gauss; sens +2.5 dB (315 Hz).
C-90. 45 min per side..... $2.49

MTX-9011
Pure metal particles. Coercivity 1,050 Oe; retentivity 3,000 Gauss.; sens +2.0 dB (315 Hz)
C-90. 45 min per side..... $4.99

IRISH

High-Output Cassettes
Precision-shell ferric cassette in Norelco box.
XR-90. 45 min per side $2.70
XR-60. 30 min per side $2.10

Low-Noise Cassettes
Precision-shell ferric cassette in Norelco box.
LN-90. 45 min per side $2.15
LN-60. 30 min per side $1.75
LN-30. 15 min per side $1.50

JVC

F Series
XFIV. *Metal tape. Equalization 70µs.*
C-90. ..... $4.50

BLANK TAPE

AFII. *High Bias tape (CrO_2). Equalization 70μs.*
C-90. ..... $2.60
C-60. ..... $2.35
AFI. *Normal bias tape. Equalization 120μs.*
C-90. ..... $2.20
C-60. ..... $1.80

G1 Normal-Bias Cassette Tape
Popular series. Coercivity 370 Oe.
C-90. 90 min. $1.60
C-60. 60 min. $1.30

LASER BY SWIRE MAGNETICS

Laser UHD-II Cassettes
High-bias ferric cassettes with high energy and extended frequency response.
C-90. 45 min per side. $2.59

Laser UHD-I Cassettes
Normal-bias ferric cassettes with high-energy, high-density formulation.
C-90. 45 min per side. $2.59
C-60. 30 min per side. $1.99

Laser XL Cassettes
Normal-bias ferric cassettes with extra low noise for voice or music.
C-90. 45 min per side. $1.89
C-60. 30 min per side. $1.49
C-45. 22.5 min per side $1.39
AFII. *High Bias tape (CrO_2). Equalization 70μs.*
C-90. ..... $2.60
C-60. ..... $2.35
AFI. *Normal bias tape. Equalization 120μs.*
C-90. ..... $2.20
C-60. ..... $1.80

G1 Normal-Bias Cassette Tape
Popular series. Coercivity 370 Oe.
C-90. 90 min. $1.60
C-60. 60 min. $1.30

MAXELL

Digital Audio Tape
Features Ceramic-Armor metal-particle formulation
R-120DM. 120 min $14.99
R-90DM. 90 min $12.99
R-60DM. 60 min $10.99
R-46DM. 46 min $8.99

MX Metal Cassettes
Metal bias/EQ.
MX-90. 90 min. $5.29
MX-60. 60 min. $4.39

XLII-S Epitaxial Cassettes
High-level bias; 70-μsec EQ.
XLII-S90. 90 min. $4.39
XLII-S60. 60 min. $3.59

XLI-S Epitaxial Cassettes
Normal bias; 120-μsec EQ.
XLI-S90. 90 min $4.39
XLI-S60. 60 min $3.59

XL-II Epitaxial Cassettes
Chrome type; high-level bias; 70-μsec EQ.
C-100. 100 min. $4.39
C-90. 90 min. $3.99
C-46. 46 min. $3.29
C-60. 60 min. $3.29

UDS-I Normal-Bias Cassettes
Features phase accuracy shell, frictionless slip sheets, Quin-Lok hubs, cleaning leader.
C-90. ..... $3.29
C-46. ..... $2.49
C-60. ..... $2.49

UDS-II High-Bias CrO_2 Cassettes
Features phase accuracy shell, frictionless slip sheets, Quin-Lok hubs, cleaning leader.
C-90. ..... $3.29
C-46. ..... $2.49
C-60. ..... $2.49

Normal-Bias Cassettes
UR-120. 120 min $2.79
UR-90. 90 min $1.79
UR-46. 46 min $1.49
UR-60. 60 min $1.49

Open-Reel Tapes

XLI Back-Coated Open-Reel Tapes
XLI 35-180B. 3,600 ft, 10.5″ reel $35.79
XLI 35-90B. 1,800 ft, 7″ reel $12.79

Ultra-Dynamic Open-Reel Tapes
UD35-180. 3,600 ft, 10.5″ reel. $28.39
UD35-90. 1,800 ft, 7″ reel $9.19

MEMOREX BY MEMTEK

CDX II High-Bias Cassettes
Metal tape for High Bias (type II) setting. Superior tape for recording CD or digitally-sourced music at high bias, 70 μsec setting. Greater headroom for distortion-free reproduction at significantly higher recording levels than conventional high bias tapes. New permanent reference cassette mechanism shell.
C-90. ..... $4.99

HBX II High-Bias Cassettes
High-performance ferric/cobalt tape for use at high bias 70 μsec setting. Higher MOL's, greater sensitivity compared to standard high bias and CrO_2 tapes. New permanent reference cassette mechanism.
HBX II High Bias C-90 ..... $3.79
HBX II (type II) C-60 ..... $2.99

HB II High-Bias Cassettes
Premium tape for high bias 70 μsec EQ position. Improved low end MOL, greater sensitivity, new permanent reference cassette mechanism; high visibility clear shell
HB II High-Bias C-90. ..... $2.79
HB II (type II) C-60 ..... $2.29

MRX I Normal-Bias Cassettes
Premium normal bias tape. Full lifetime warranty.
C-90. ..... $2.69
C-60. ..... $2.19

dbs Normal-Bias Cassettes
Normal-bias tapes
C-120. ..... $2.59
C-90. ..... $1.79
C-60. ..... $1.49
C-46. ..... $1.29

NAKAMICHI

ZX Reference Cassette Tapes
Metalloy (metal-particle) formulation for recording on metal-compatible decks only; features ultra-high coercivity and retentivity for improved distortion and MOL; 70-μsec EQ.
ZX-C90. 90 min $10
ZX-C60. 60 min $7.25

SX II Reference Cassette Tapes
Double-coated ionized cobalt and ferric-oxide formulation. CrO_2 bias and EQ (70 μsec).
Comes with transparent, hinged case.
SXII-C90. 90 min $8.90
SXII-C60. 60 min $6.50

SX Reference Cassette Tapes
Single-coated ionized cobalt and ferric oxide formulation; high coercivity permits use of CrO_2 bias and EQ (70 μsec) for 4-5 dB better S/N ratio.
SX-C90. 90 min $6.50
SX-C60. 60 min $4.50

EX II Reference Cassette Tapes
Single-coated ferricobalt formulation; same bias and EQ (120 μsec) as EX tape; extra-low noise, high output.
EXII-C90. 90 min $6
EXII-C60. 60 min $4.25

PANASONIC

CrO_2-Position Cassettes
RT-90EX2. C-90 length. 2 pack $9.95

Normal-Bias Cassettes
RT-60FS2. Fashion series. C-60 length. Color-tinted shell. 2 pack $5.45
RT-80EN2. C-90 length. 2 pack $5.45
RT-60EN2. C-60 length. 2 pack $3.95

Microcassettes
RT-604 MC. C-60 length. 4 pack $11.95
RT-90 AMC. C-90. Angrom composition ... $6.95
RT-602 MC. C-60 length. 2 pack $5.95

REALISTIC

Cassette Tape
Prices may vary according to quantity purchased, with prices lower per tape with larger quantities.

MIV Type IV Metal Cassette Tape
Fine-grain metal particles; 5-screw housing; hinged storage box.
MIV-90. 90 min. ..... $6.99-$4.89
MIV-60. 60 min. ..... $5.99-$4.19

MII Metal Type II High-Bias Tape
Metal tape for recording and playback with Type II bias and EQ; head-cleaning leader; hinged storage box.
MII-90. 90 min ..... $5.69-$3.99
MII-60. 60 min ..... $4.89-$3.43

HD Hi-Definition Chrome-Equivalent
For recording and playback with high-bias Type II bias and EQ; head-cleaning leader; hinged storage box; index card.
HD-90. 90 min. ..... $4.29-$2.97
HD-60. 60 min. ..... $3.49-$2.45

XR Type I Premium Ferric Tape
Hinged storage box with index card.
XR-120. 120 min ..... $4.99-$3.29
XR-90. 90 min ..... $3.79-$2.59
XR-60. 60 min ..... $2.79-$1.89
XR-45. 45 min ..... $2.45-$1.79

LN Low-Noise Type I Standard Ferric
Hinged storage box with index card.
LN-120. 120 min ..... $3.49-$2.29
LN-90. 90 min ..... $2.79-$1.85
LN-60. 60 min ..... $1.99-$1.29
LN-30. 30 min ..... $1.59-$1.05

Concertape Type I Cassettes
C-120. 3-pack; each 120 min. ..... $4.99-$4.39
C-90. 3-pack; each 90 min. ..... $3.59-$3.19
C-60. 3-pack; each 60 min. ..... $2.59-$2.29
C-30. 3-pack; each 30 min. ..... $1.99-$1.79
C-90. Single; 90 min. $1.25
C-60. Single; 60 min. $0.88

Open-Reel Tape
Supertape Premium. Polyester base, super-calendared.
5″ reel; 900 ft; 1.0 mil; 1-9 tapes ..... $3.99 each
5″ reel; 900 ft; 1.0 mil;10+ tapes ..... $3.19 each
7″ reel; 1,200 ft; 1.5 mil; 1-9 tapes ..... $5.99 each
7″ reel; 1,200 ft; 1.5 mil; 10+ tapes .... $4.79 each
7″ reel; 1,800 ft; 1.0 mil; 1-9 tapes ..... $6.99 each
7″ reel; 1,800 ft; 1.0 mil; 10+ tapes .... $5.99 each
7″ reel; 3,600 ft; 0.5 mil; 1-9 tapes .... $12.99 each
7″ reel; 3,600 ft; 0.5 mil; 10+ tapes ... $10.39 each
Low-Noise. Polyester Base.
7″ reel; 1,800 ft; 1.0 mil ..... $5.99-$4.39 each

7″ reel; 2,400 ft; 0.5 mil ..... $6.99-$5.19 each
7″ reel; 3,600 ft; 0.5 mil ..... $7.99-$6.39 each
Concertape. Polyester Base.
7″ reel; 1,800 ft; 1.0 mil ..... $2.49 each

8-Track Cartridges
Supertape. 90 mins total time.
1-11 cartridges ..... $3.99 each
12-24 cartridges ..... $3.49 each
25-49 cartridges ..... $3.19 each
50+ cartridges ..... $2.99 each
Low Noise. Polyester base. 40 mins.
1-11 cartridges ..... $1.99 each
12-24 cartridges ..... $1.79 each
25-49 cartridges ..... $1.59 each
50+ cartridges ..... $1.39 each
Low Noise. Polyester base. 80 mins.
1-11 cartridges ..... $2.69 each
12-24 cartridges ..... $2.39 each
25-49 cartridges ..... $2.15 each
50+ cartridges ..... $1.89 each

Microcassettes
Micro-90. Max-length microcassettes record 90 mins at 2.4 cm/sec or 180 mins at 1.2 cm/sec. For capstan-drive recorders. 1-9 tapes..... $6.95 each
Micro-90. 10 or more tapes..... $5.95 each
Micro-60. Records 60 minutes at 2.4 cm/sec and 120 mins at 1.2 cm/sec. For capstan-drive recorders. 1-9 tapes ..... $3.49 each
Micro-60. 10 or more tapes..... $2.99 each

Minicassettes
Mini-30. For rim-drive cassette recorders such as Realistic Minisette. 30-minute recording time. 1-9 tapes ..... $2.89 each
Mini-30. 10 or more tapes..... $2.49 each

RECOTON

Gold Series XR90
Features low noise; high energy; normal bias; 90 minutes. Sold in ten packs..... $9.99

SCOTCH

XSM IV Cassettes
Fine metal magnetic particle formulation; delivers maximum output up to 10 dB better than typical oxide tapes and up to 7 dB greater than chrome tapes; low distortion, added high-frequency response, and improved S/N ratio.
90 min..... $6.99
60 min..... $5.49

XS II Cassettes
Features redeveloped premium grade formula with improved signal-to-noise ratio; less tape hiss; dual-layer, cobalt-modified ferric oxide; for use with recorders in the chrome or 70 μsec equalization position; improved shell for critical mechanical permanence and 3-head equipment.
90 min..... $3.79
60 min..... $2.99

CX Cassettes
Normal-bias ferric oxide cassette featuring improved low frequency output and clarity. 6-screw impact polymer shell houses an inner assembly with specially made low-friction roller guides; album package.
90 min..... $2.99
60 min..... $2.40

BX Cassettes
Ferric-oxide formulation for all-purpose cassette use; polyester base. 5-screw impact polymer shell.
90 min..... $1.95
60 min..... $1.69

SONY

ES Metal Cassette
Type-IV position (70 microsecond equalization); metal-particle formulation.
ES-90. 90 min $9.99

UX Series Cassettes
Type-II position (70 microsecond equalization)
UX-Pro. C-90..... $7.99
UX-Pro. C-60..... $5.99
UX-ES. C-90..... $5.49
UX-S. C-90..... $3.99
UX-ES. C-60..... $3.99
UX. C-90..... $3.29
UX-S. C-60..... $2.99
UX. C-60..... $2.49

HF-S Series Cassettes
Type I position (Normal bias, 120 microsecond equalization)
HF-S 90. 90 min $2.69
HF-S 60. 60 min $1.99

HF Series Cassettes
Type I position (Normal bias, 120 microsecond equalization)
HF 120. 120 min $2.99
HF 90 90 min..... $2.29
HF 60. 60 min $1.70
HF 46. 46 min $1.45

TDK

MA-XG Metal-Alloy (Type IV) Cassette Tape
Metal bias; 70-sec EQ; 3-layer RS-11 vibration-damping mechanism designed to eliminate sympathetic vibrations for reduced modulation noise.
MA-XG 90. 45 min each side..... $9.25
MA-XG 60. 30 min each side..... $7

MA-X Metal-Alloy (Type IV) Cassette Tape
Metal bias; 70-sec EQ; 2-layer plastic mechanism; improved Finavinx formulation designed for superior output level and wide dynamic range.
MA-X 90. 45 min each side $5
MA-X 60. 30 min each side $4.25

MA Metal-Alloy (Type IV) Cassette Tape
Metal bias; 70-sec EQ; Laboratory Standard mechanism.
MA-90. 45 min each side $4
MA-60. 30 min each side $3.50

SA-XG High-Bias (Type I) Cassette Tape
RS-II high-performance cassette mechanism; Super Avilyn formulation.
SA-XG 90. 45 min each side..... $9.25
SA-XG 60. 30 min each side..... $7

SA-X High-Bias (Type II) Cassette Tape
2-layer shell; dual-coated Super-Avilyn formulation; 70-sec EQ.
SA-X 90. 45 min each side $3.50
SA-X 60. 30 min each side $3

SA High-Bias (Type II) Cassette Tape
Laboratory Standard Mechanism.
SA Limited Edition. Euro-style case, Super Avilyn 90 min tape $4.99
SA 90. 45 min each side $2.50
SA 60. 30 min each side $2.25

AD-X Normal-Bias (Type I) Cassette Tape
Super Avilyn particle for extra headroom; Laboratory Standard Mechanism. 120-μsec EQ.
AD-X 90. 45 min each side..... $3
AD-X 60. 30 min each side..... $2.50

AD-S Normal-Bias (Type I) Cassette Tape
Rigid plastic C-Thru mechanism designed to control resonances. 120-sec EQ.
AD-S90. 45 min each side..... $2.50

AD Normal-Bias (Type I) Cassette Tape
Linear ferric-oxide particles; Laboratory Standard Mechanism. 120-sec EQ.
AD-90. 45 min each side..... $2.50
AD-60. 30 min each side..... $2.25

D (Dynamic) Cassette Tape
Normal bias; 120-sec EQ; precision mechanism.
D-90. 90 min each side $2
D-60. 30 min each side $1.75
D-46. 23 min each side $1.60
D-30. 15 min each side $1.50

DA Digital Audio Tape Cassette
Super Finavinx pure-metal particle formulation with high-durability TDC (Three Dimensional Compound) binder.
DA-R60. 30 min each side $10
DA-R90. 45 min each side $12
DA-R120. 60 min each side $14

Microcassettes
D-MC60B3. Same dynamic formulation as standard-size cassettes. Low noise for speech recording. 60 min ea; 3-pack $9

TRIAD

Cassette Tape
MG-X90. Metal bias (type IV); EQ 3180μs/70μs; recording time 45 mins x 2; FR 10,000 Hz +0 dB; MOL 315 Hz +5.0 dB; SOL 10,000 Hz −10 dB; retentivity 3300 G; coercivity 1150 Oe..... $5.99
CD-IV. Metal bias; recording time 76 mins total$5.79
CD-II 102. Chrome tape with exclusive metal alloy; recording time 120 mins total..... $5.99
CD-II 76. As above with recording time 76 mins total..... $5.39
EM-X90. High bias (type II); EQ 3180μs/70μs; recording time 45 mins x 2; FR 10,000 Hz +0.5 dB; MOL 315 Hz +5.0 dB; SOL 10,000 Hz −3.0 dB; retentivity 3100 G; coercivity 720 Oe..... $4.99
F-X90. Normal bias (type I); EQ 3180μs/120μs; recording time 45 mins x 2; FR 10,000 Hz +3.0 dB; MOL 315 Hz +5.5 dB; SOL 10,000 Hz −6.0 dB; retentivity 1800 G; coercivity 380 Oe..... $3.99

VISA BY INTERWORLD ELECTRONICS INC.

UCX-II-S High Tech Turbo
High-bias cassette tape with ultra-refined CrO_2 coating and special housing.
90 min..... $4.99
60 min..... $3.49

UCX-II High Tech Turbo
High-bias cassette tape.
90 min..... $3.99
60 min..... $2.99

UFX-I High Tech Turbo
Ferric cassette tape with clear housing.
90 min..... $3.99
60 min..... $2.99

CX-II Professional Tape
High-bias cassette tape.
90 min..... $3.49
60 min..... $2.49

FDX-I Professional Tape
Ferric cassette tape.
90 min..... $2.79
60 min..... $1.99

Extra Performance II Tape
High-bias cassette tape.
90 min..... $2.49
60 min..... $1.99

High Performance I Tape
Ferric cassette tape with iron dioxide coating. Comes in transparent, hinged case.
90 min..... $1.99
60 min..... $1.59

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AUDIO GLOSSARY

Note: Words in italics are defined elsewhere in the glossary.

AC **(alternating current):** The current available from the power outlets in American homes; it alternates direction sixty times a second.

acoustic-suspension: A type of *infinite-baffle speaker* that uses the air pressure inside a sealed speaker box to control driver motion. It has no *port* or opening.

AM **(amplitude modulation):** A *band* of radio *frequencies* that carries information by changing the strength of the *signal.* Most AM broadcasts are in *mono,* but many stations are adding equipment to broadcast *stereo* AM programs. You must have an AM-stereo *tuner* to receive them in stereo.

amplifier: A separate component, or a section built into an integrated component, that strengthens the electrical *signal* (increases its amplitude). A *power amplifier* must be connected to a *preamplifier* (or "control amplifier") to switch and process the sound. An *integrated amplifier* combines power-amplifier and preamplifier functions in the same unit. A *receiver* adds an *AM/FM tuner* to the integrated-amplifier configuration.

analog: Type of audio component or recording medium that operates with *signals* whose waveforms are directly analogous to the sounds they represent; see *digital.*

antenna: A metallic structure (usually a wire or rod) that receives radio or television broadcast *signals* over the air and sends them to a *tuner* for processing.

automatic turntable: One that sets the *stylus* onto a *record* to begin play and removes it at the end of play without the user having to touch the tonearm.

autoreverse: A feature of some *cassette decks* that allows them to play or record both sides of a cassette without the user having to turn it over manually.

AUX **(auxiliary):** An input jack found on some *receivers, integrated amplifiers,* and *preamplifiers* that can be used to connect *source* components such as a *compact disc player* or a *cassette deck* but not *turntables,* which require special *phono* inputs.

azimuth: The angle between the actual recorded information and the edge of the audio tape. While the azimuth angle is theoretically set at 90 degrees, azimuth often varies from one tape deck to another.

balance: A control found on some *receivers, integrated amplifiers,* and *preamplifiers* that changes the relative *volume* of the left and right *channels.*

band: A particular segment of a *frequency* spectrum. For example, a *graphic equalizer* may divide the audio frequency spectrum into ten bands, with one control to adjust the relative volume of each band. The *AM* and *FM* bands are distinct parts of the *RF (radio frequency)* spectrum.

bass: The lower *frequencies* in the audio spectrum, such as those produced by a string bass or bass guitar. An instrument producing bass tones vibrates air more slowly than one producing *treble* tones.

bass reflex: A type of *speaker* system that has an opening, called a *vent* or *port,* in its enclosure so that the sounds produced by the backward motion of the bass *driver(s)* reinforce those produced by their forward motion, which come out of the front.

belt drive: A method of rotating the platter of a *turntable* by means of a belt, usually made of rubber, that connects the turntable's motor to the platter.

bias: A very high-*frequency signal* added to an audio signal being recorded on tape to reduce *distortion.* Type I (normal or ferric) tape requires less bias than Type II (chrome or chrome-equivalent) or Type IV (metal) tape.

cantilever: The rod or tube in a *phono cartridge* that supports the *stylus,* and transfers the stylus's motion to the signal-generating elements of the cartridge.

capstan: A rotating shaft in a tape recorder that pulls the tape across the *heads.* The tape usually travels between the capstan and the pinch-roller. A dual-capstan machine has two capstans; see *closed-loop.*

capture ratio: An important *specification* for an *FM tuner,* it indicates the minimum ratio between the strengths of two FM *signals* at the same *frequency* that enables the tuner to suppress the weaker signal by 30 *dB.* Smaller numbers indicate better performance.

cardioid: A heart-shaped polar response of a *microphone,* with strong rejection signals arriving from the rear.

cartridge, or phono cartridge: A small component mounted on the end of the *tonearm* in a *turntable;* it holds the *stylus,* which vibrates in the *record* groove. The cartridge converts the vibrations into a changing electrical current, or audio *signal.*

cassette: A kind of magnetic-tape cartridge containing two reels.

cassette deck: An *analog* component that uses standard-size audio *cassettes* for recording and playback; also known as tape deck. Audio *signals* are recorded onto, or played back from, the magnetic tape contained in the cassette; see *heads.*

CD **(compact disc):** A 4.8-inch plastic-coated, metalized disc that stores up to 75 minutes of *digitally* recorded music. The non-recordable disc con-

tains microscopic pits that are read by an optical laser pickup in a *compact disc player.* Each microscopic pit contains digitally encoded audio information.

CD (compact disc) player: A *digital* audio component based on the *PCM* recording system that plays back *compact discs.* Unlike *turntables,* which play back conventional vinyl *records,* a CD player has no *stylus* and therefore makes no contact with the disc. Rather, a laser mechanism optically reads information contained on the CD.

CD video (CDV): A *compact disc* that combines up to twenty minutes of *digital* audio with approximately five minutes of video. CDV's are gold-colored to distinguish them from silver-colored, audio-only CD's.

channel: A distinct path for an audio *signal. Stereo* signals consist of two channels, left and right, which are sent to left and right *speakers* (or headphones), respectively (see *separation*). A *surround-sound* system adds one or more additional channels, usually for the rear. *Mono* (or monophonic) signals have only one channel.

closed-loop: A drive system used in tape decks in which the tape is pulled by dual *capstans,* one on either side of the *heads,* so the part of the tape being played or recorded is held taut and fully isolated from the hubs.

compliance: A measurement of how easily the *stylus* of a *phono cartridge* can be moved by the grooves of a record. A high-compliance cartridge has a more flexible stylus than a low-compliance cartridge.

crossover, or crossover network: A circuit that divides lower-*frequency* sounds from higher-frequency sounds. Crossovers are used in *speakers* that have more than one *driver.* In a two-way speaker system, for instance, the crossover sends the low frequencies to the *woofer* and the high frequencies to the *tweeter.* Crossovers are also available as separate components for use in more elaborate systems.

crossover frequency or crossover point: In a *crossover network,* the *frequency* at which audio signals are divided so they can be routed to the appropriate *driver* (low frequencies to a *woofer* and high frequencies to a *tweeter,* for example).

damping: The application of mechanical resistance, such as a rubber or silicone material, to the *cantilever* pivot to reduce the amplitude of a resonance.

DAT (digital audio tape): A *cassette* that is about half the size of a standard audio cassette. The cassette shell houses a reel of magnetic tape that contains *digitally* encoded audio information.

DAT (digital audio tape) deck: A *digital* recording/playback component that is based on the *PCM* recording system. Digitally encoded audio information is recorded onto, and retrieved from, magnetic tape. DAT recorders use a transport mechanism similar to ones found in *analog cassette* decks.

dB (decibel): The common unit used to measure the *volume* of sound or an electrical signal that represents sound (also called loudness or amplitude). The decibel is a logarithmic ratio of two power levels. When *sound-pressure level (SPL)* is measured in decibels, for example, a whisper is about 40 dB and a jet engine about 120 dB. The decibel scale is logarithmic, meaning that an increase of 10 dB represents a tenfold increase in power: it takes ten times as much energy to produce an SPL of 80 dB as one of 70 dB, even though 80 dB is subjectively only twice as loud as 70 dB. Doubling the power raises the SPL by about 3 dB; cutting the power in half reduces the volume about 3 dB. Doubling or halving the volume requires a change in SPL of about 10 dB.

dBf: One *decibel* referred to a standard power level of one femtowatt (one quadrillionth of a *watt*).

dbx: Ordinarily, a *noise-reduction* system—more precisely known as dbx II—developed by the dbx company and used in some *cassette decks.* This system reduces the *dynamic range* of the audio *signal* during recording, making the soft parts of the music louder and the loud parts softer. During playback, the processing is reversed, restoring the original dynamic range and reducing the *noise* added by the tape. The dbx I system is used in professional studio tape recorders. Another type of dbx noise reduction is used in the *MTS* stereo-TV broadcasting system.

DC (direct current): Electricity that flows in one direction only; see *AC (alternating current).*

de-emphasis: A form of *equalization* used in *FM tuners* that is complementary to a pre-emphasis used in transmission. The purpose is to improve the overall *S/N ratio (signal-to-noise),* while maintaining a uniform *frequency response.* Some *compact discs* also are processed with a *frequency* pre-emphasis; these discs automatically engage de-emphasis circuits in the player.

defeat: To bypass a *signal*-processing feature, removing it entirely from the circuit. *Tone controls* are sometimes accompanied by a tone-defeat switch, which enables the user to eliminate their effects without changing their settings, allowing easy comparisons of the sound with and without tone-control modifications.

digital: A digit is a number, and digital components use numbers in some way. A digital *tuner,* for example, may only use numbers on its front-panel display, or it may use digital-synthesis tuning circuits for improved reception. *Compact discs* contain a pattern representing a series of binary numbers (strings of ones and zeros); a CD player converts these numbers into a continuously changing current that represents the sound of the master recording. *Digital audio tape (DAT)* recorders turn *analog* input *signals* into binary numbers and record these on tape; for playback, the numbers are read from the tape and converted into an analog signal.

dipole: A type of *speaker* that radiates as much sound from its rear as from its front.

dipole antenna: A type of *antenna* that receives radio broadcasts from two directions. A T-shaped, folded dipole antenna is often supplied when you buy a *tuner* or *receiver.*

direct-drive: A method of rotating a *turntable* platter by using the motor shaft as the platter spindle.

dispersion: The spread of a speaker's

high-*frequency* output, measured in degrees.

distortion: An unwanted alteration in an audio *signal*; also see *THD (total harmonic distortion)*, *noise*, and *IM (intermodulation)*.

dither: Very low-level *noise* added to a signal being digitized to reduce the high-order *distortion* caused by *quantizing* very low-level audio signals. See *quantization*.

Dolby B and Dolby C: *Noise-reduction (NR)* systems designed and licensed by Dolby Laboratories for use in consumer tape recorders. They work by making the high sounds softer during recording and louder during playback. Dolby C is more effective than Dolby B, but Dolby B is more common.

Dolby HX Pro: A special circuit for tape recorders—the HX stands for headroom extension—that lowers the amount of *bias* added during recording when the *signal* being recorded already has a lot of high *frequencies*. This allows high frequencies to be recorded at higher levels with less *distortion*.

Dolby Surround: A system developed for movie theaters, now available in add-on home components and in some audio/video *receivers*, that adds two more audio *channels* (center-front and rear) to the ordinary right and left *stereo* channels. To derive the extra channels, a Dolby Surround decoder adds the left- and right-channel *signals* together for the center-front channel and subtracts them from each other for the rear channel, usually sent to two rear *speakers*.

driver: Any individual *speaker* within a system, such as a *woofer* or *tweeter*.

dubbing: The process of making a recording of another recording. A dubbing *cassette deck* can record from one tape in one *transport* to another in a second transport. Dubbing can be done with two single-transport decks or one dual-transport deck.

dynamic range: The difference, in decibels *(dB)*, between the softest and the loudest possible sounds that a component can produce. Higher ratings are better because they indicate that the component can more accurately reproduce the full dynamics of recorded music that is played through it.

effective mass: A measurement of how a *tonearm* resists motion. Tonearms must move freely to follow the groove of a record, and lighter tonearms usually perform this task better than heavy ones.

efficiency: The percentage of the electrical input power to a *speaker* that is converted to acoustic energy. Usually specified for speakers, an efficiency measurement can be helpful when matching an *amplifier* to a particular speaker. Speaker efficiency can range from a fraction of 1 percent to as much as 10 percent or more. Note that efficiency indicates nothing about sound quality, only quantity of acoustic energy for a given input power. A more common way of expressing speaker efficiency is *sensitivity*.

electrostatic: *Speakers* and headphones that use a method of producing sound by moving a flat diaphragm suspended in a high-voltage electrical field.

elliptical stylus: A *stylus* whose cross section, as seen from above, is an ellipse placed across the record groove. This type of stylus traces the finer high-*frequency* modulations of a *record* groove more accurately than a *spherical stylus*.

EQ (equalization): The process of changing the relative volume levels of different segments of the audio *frequency* spectrum to compensate for losses or *distortion* at some stage of recording or reproduction. For instance, the output from *speakers* can be equalized to compensate for room acoustics. *Phono signals* require a specific type of playback equalization because of the equalization built into the process of cutting a *record*.

equalizer: A component, or part of a component, that is used to equalize (see *EQ*) an audio *signal* received from a *source* component by dividing the signal into various separately adjustable *bands*. The most common type is the graphic equalizer, which derives its name from the way its sliding controls make a rough graph of the selected *frequency* changes on its front panel.

expander: A device used to restore natural *dynamic range*. This is achieved by counteracting the compression of dynamic range that occurs when recordings are made and when a signal is broadcast.

filter: A circuit that removes or attenuates a specific part of an audio *signal*. A subsonic (or infrasonic) filter removes low *frequencies*. Some *cassette decks* have *MPX* filters to remove the 19,000-Hz *stereo* pilot tone from *FM* broadcasts. *Tone controls* and *equalizers* are adjustable filters.

flutter: A wavering sound caused by abrupt changes in the speed of electromechanical components such as *turntables* and *cassette decks*. Expressed as a percentage of variation from the correct speed, flutter measurements are usually combined with *wow* measurements in a single *wow-and-flutter (W&F)* specification. Lower figures are better.

FM (frequency modulation): A type of radio broadcasting that carries audio information by changing the *frequency* of the broadcast *signal*. An FM station with a center frequency of 88.1 *MHz* will actually broadcast a signal that changes from slightly less than 88.1 MHz to slightly more according to the waveform being broadcast.

frequency: How often something vibrates or changes. Sounds are vibrations and can be represented by electrical *signals* that change at different rates; a low-pitched sound is represented by a slowly changing current, while a high-pitched sound is represented by a quickly changing current. Frequency is measured in cycles per second, or *hertz* (abbreviated *Hz)*. Most people can hear notes as low as about 20 Hz and as high as 15,000 or 20,000 Hz. In radio, frequency refers to the wavelength of the carrier signal of the station, such as 88.1 *MHz* for an *FM* station or 1,010 *kHz* for an *AM* station.

frequency balance: The relative volume of different segments of the audio frequency range, from low *bass* to high *treble*.

frequency response: This important *specification* indicates how evenly a component reproduces different *frequencies*. A typical spec might be 20 to 20,000 *Hz* ± 3 *dB*, which means that the component will reproduce sounds

as low as 20 Hz and as high as 20,000 Hz, and all those in between, not more than 3 dB too loud or too soft. If a frequency-response specification does not include a tolerance (the plus-or-minus decibel figure), it is essentially meaningless.

graphic equalizer: see *equalizer.*

head amp: see *MC (moving-coil).*

heads: The parts of a tape deck that impose a magnetic pattern on a tape (for recording) or detect one that is already there (playback). Most audio decks also have another head for erasing tapes, or randomizing the magnetic pattern on the tape so that a new one can be recorded. The heads of *analog* recorders are stationary, but those of *digital audio tape (DAT) recorders* rotate like the helical heads in VCR's.

HX Pro: see *Dolby HX Pro.*

Hz (hertz): The standard unit of *frequency,* named after the German physicist Heinrich Hertz. Measurements in hertz represent cycles per second, that is, changes away from a basic state and back again. In audio, the basic state is defined either as ordinary air pressure (without sound) or its electrical equivalent (a zero-level *signal*).

IF (intermediate frequency) rejection: The ability of a superheterodyne *AM* or *FM tuner*'s IF circuits to reject external interference at the intermediate *frequency.*

image rejection: The ability of a *tuner* to ignore *signals* removed from the desired *frequency* by twice the intermediate frequency (10.7 *MHz* in home *FM* receivers, 455 *kHz* in home *AM* receivers.)

IM (intermodulation) distortion: When a two-tone test *signal* is used, distortion components appear at *frequencies* that are sums and differences of multiples of the input frequencies. Their magnitude is expressed as IM distortion, which is more distressing to the ear than *THD (total harmonic distortion).* As with all types of distortion, lower figures are better.

impedance (imp): Measurement, in *ohms,* of the total opposition (resistance and reactance) that a component has to electrical power; usually found in discussions of speakers.

infinite-baffle: A type of *speaker* where the back wave produced by the *driver* is prevented from interfering with the front wave, usually by placing the driver in a sealed enclosure. See *acoustic-suspension.*

infrared: A part of the electromagnetic spectrum that is invisible to the human eye. Infrared *frequencies* are used by wireless remote controls to send *signals* to the components they control.

integrated amplifier: A component that performs the functions of both a *preamplifier* and a *power amplifier.*

isolation: The separation between a structure and everything surrounding it; usually in reference to *turntable tonearms* and platters.

kHz (kilohertz): 1,000 *Hz.*

LaserDisc: Pioneer's trademark for a laser-read videodisc system. (Other videodisc formats are no longer available in the U.S.) LaserDisc players are similar to *CD (compact disc) players,* therefore combination units that play both kinds of discs as well as the new *CD videos* are available.

LCD (liquid-crystal display): A type of electronic readout that does not generate its own light and, therefore, uses very little power.

LED (light-emitting diode): An electronic readout that produces its own light.

linear-tracking tonearm: A type of *tonearm* that moves in a straight line across the radius of a record; see *pivoted tonearm.*

logic: In *cassette decks,* the ability to switch from one transport function, such as fast forward, to another, such as rewind, without first pressing the stop button; doing this in decks without logic controls can damage the tape. In a *surround-sound* system, logic circuits are used to process encoded *signals.*

loudness compensation: A form of *equalization* that progressively emphasizes low *frequencies* (and sometimes high frequencies) as *volume* is reduced. Loudness-compensation circuits, which appear in some preamplifiers and receivers, compensate for the human ear's loss of sensitivity as the sound level decreases.

magnetic cartridge: A *phono cartridge* that generates an audio *signal* from the relative motions of a magnetic field and a coil or coils. The output is proportionate to the velocity of the stylus motion. See *MC (moving coil)* and *MM (moving magnet).*

matrix: Circuits in *surround-sound* processors that can synthesize a rear *channel* for ambience even if the original recording consists only of left and right *stereo* channels.

MC (moving-coil): A type of *phono cartridge* in which the magnets are stationary and the coils where the *signal* is generated move in response to the motions of the *stylus* in the *record* groove. Some MC cartridges produce very little current, and their output must be amplified to standard levels by a "head amp" or pre-*preamplifier* before further processing by a *phono*-preamplifier section.

MHz (megahertz): One million *Hz.*

microphone: An electroacoustic pick-up device that converts acoustical energy—such as live music or a voice—into an electrical *signal* that is essentially equivalent in shape and amplitude to the acoustical input.

midbass: The segment of the audio *frequency* spectrum covering sounds produced in the upper *bass* and lower *midrange* region; special midbass drivers can be used to reproduce these frequencies.

midrange: The segment of the audio *frequency* spectrum between the *bass* and *treble* frequencies. The midrange includes most voices and the fundamental tones produced by most musical instruments. Midrange drivers reproduce sounds in this frequency range.

MM (moving magnet): The most common type of phonograph *cartridge.* A moving-magnet cartridge has magnets attached to the interior end of its *cantilever.* The *stylus* motion causes these magnets to move near coils of wire, generating an electric current representing the audio *signal.*

mono (or monophonic): An audio *signal* in which all the information is combined in one channel; also, a component that handles only one channel, such as a mono *amplifier* (used in pairs for *stereo* programs).

MPX (multiplex): A method of combining two or more *signals* into one. Some tape decks have an MPX *filter* that removes the 19,000 *Hz* pilot tone from *stereo FM* broadcasts.

MTS (multichannel television sound): The system devised by Zenith and dbx for *stereo* TV broadcasting in the United States. An MTS decoder, which may be built into an audio or video component, receives stereo broadcasts and produces stereo *signals* from them. See *SAP.*

multipath: A condition that occurs when a broadcast radio *signal* reaches the *antenna* over two or more paths of different lengths. The result is interference that causes *distortion* and a loss of stereo channel *separation.*

mV (millivolt): One thousandth of a volt.

μs (microsecond): One millionth of a second.

μV (microvolt): One millionth of a volt.

noise: An unwanted part of a processed *signal* that is not related to the original signal. Audio noise usually sounds like hiss.

NR (noise reduction): A system designed to reduce the *noise* added to an *audio signal* during recording. See *dbx* and *Dolby.*

ohm: The basic unit of *impedance.*

output level: A measure of how strong a *signal* produced by a component is, usually in relation to the strength of the signal put into it.

oversampling: A *digital filtering* technique used in some *compact disc players.* The 44.1-kHz *signal* from the *CD* is sampled at some multiple of that *frequency* (usually two or four times), which raises the frequencies of any spurious *signals* created by the *digital* recording process well above the audio range. The spurious signals are then removed by an *analog filter* with a gentle slope, which is said to cause fewer phase irregularities than the sharp-cutoff filter required when oversampling isn't used.

passive radiator: An unpowered *speaker* assembly that is placed in the port of a vented enclosure system to produce a more uniform sound wave. Also called a "drone cone" or "slave cone."

PCM (pulse-code modulation): A system of recording that encodes an audio *signal* in a series of binary numbers (ones and zeros). *Compact disc players, digital audio tape (DAT)* decks, and digital signal processors all use PCM encoding.

peak indicator: Usually a flashing *LED* on a tape recorder that indicates when transient *signal* levels have exceeded the recorder's ability to handle them without *distortion*; a supplement to *recording-level meters.*

peak-reading meter: A *recording-level meter* that rises rapidly and declines at a moderate speed so the user can judge the levels of transient peak waveforms.

phono: Abbreviation for "phonograph"; used to refer to the low-level *signals* produced by a phono *cartridge* and to the phono input where a *turntable* is connected to a *preamplifier, integrated amplifier,* or *receiver.* Phono inputs use *RCA connectors,* sometimes called phono plugs.

piezoelectric (cartridge): A *phono cartridge* with a ceramic, crystal, or electret generating element that produces electricity when bent, twisted, or stressed. The cartridge's *output,* which can be fairly high, is proportionate to the amplitude of the *stylus* motion, rather than stylus velocity. See *magnetic cartridge.*

piezoelectric speaker: A speaker principle used in some *tweeters* that employs a ceramic element which expands or bends when fed a signal voltage. This deflection generates sound.

pivoted tonearm: The most common type of *tonearm,* it swivels on a fixed point so that the *cartridge* it holds can track the *record* groove from edge to center along a shallow arc. See *linear-tracking tonearm.*

PLL (phase-locked loop): A type of *tuner* circuit that improves reception of radio broadcasts by locking the received *frequency* to a synthesized reference frequency, which is usually generated by a quartz crystal.

P-mount: A standardized type of *phono cartridge* that plugs into a specific kind of *tonearm*; it requires no adjustment or calibration.

port: An opening in a *bass-reflex* speaker system that allows the sound wave from the back of a *driver* to reinforce the sound wave from the front.

power amplifier: A component that takes the audio *signal* from a *preamplifier* and makes it strong enough to drive *speakers.*

preamplifier: A component that switches and processes audio *signals* from source components. Typically, preamplifiers amplify only the low-level phono signals from *turntables* (more precisely, from *phono cartridges*), raising them to the same level as signals from other source components (called "line level") and applying the necessary *RIAA equalization.*

preset: On a *tuner* or *receiver,* a memory position where the *frequency* of a selected radio station can be entered for instant recall.

programming: Giving a component instructions to carry out at a later time. For instance, many *compact disc players* can be programmed to play selected tracks in any order.

quantization: In a digital audio *signal,* the number of possible values available to represent various levels of amplitude. In a *CD (compact disc)* system, the resolution of the quantization is 16 bits, which means that each sample can have any value between zero and 65,535. Higher figures are better because they allow for more accuracy. See *sampling frequency.*

quartz-synthesis: See *PLL.*

random access: The ability to go directly to the beginning of a song, track, or program without having to scan the intervening material; the process is usually initiated using numbered buttons on a component's front panel or remote control.

RCA connector: The most common kind of connector for home audio systems, using small, one-pin *phono* plugs. The cables usually come in pairs, with the right *channel* marked in red and the left channel in black, gray, or white.

receiver: An audio component that performs three basic functions: receiving radio broadcasts, switching and processing audio *signals*, and amplifying the selected signal so it can drive *speakers*.

record: A 12-inch vinyl disc, also known as an LP or long-playing record, with intricate grooves that contain analog audio information. By vibrating in these grooves, the *stylus* of a *phono cartridge* converts mechanical information into a usable audio *signal* that can be amplified and sent to a pair of *speakers*. Seven-inch vinyl discs are called 45-rpm records, or singles.

recording-level meter: An indicator on a tape recorder that displays the signal levels being recorded onto tape from moment to moment; used to set proper recording levels.

RF (radio-frequency): The very high-*frequency signals* used to broadcast radio programs.

RFI (radio-frequency interference): *Noise* created in audio systems by interference from strong, nearby radio broadcasts.

RIAA: The Recording Industry Association of America, which has set standards for the equalization used on phonograph records. Every record has reduced *bass* and boosted *treble*, and these characteristics must be compensated for on playback by the *phono preamplifier*.

ribbon speaker: A form of high-frequency *driver* using a light ribbon suspended in a magnetic field that generates sound when current is passed through it.

rms (root mean square): A common method of averaging power measurements.

rpm: Revolutions per minute.

rumble: A measurement of how much motor noise is transmitted through a *turntable* to the *cartridge*. Lower figures are better.

sampling frequency (or rate): In digital audio, the number of times a signal is sampled each second. The standard sampling rate for the *CD (compact disc)* format is 44.1 *kHz*, which means each second of sound is encoded by 44,100 numbers for each channel. Higher sampling rates are better because they can record higher frequencies.

SAP (separate audio program): A separate *mono channel* that is broadcast along with the two *stereo* channels in the *MTS* system for stereo TV. The SAP channel can be used for various purposes, such as providing an alternative soundtrack in a language different from that used on the primary channels.

saturation: A condition that occurs when an audio tape becomes fully magnetized and an increase in *signal* input level does not produce a corresponding increase in recorded level. Saturation also can occur in the magnetic structure of the tape *heads*.

scan: A *tuner* feature used to move quickly from one broadcast station to another, stopping on each *frequency* for a few seconds so the user can sample it. On *compact disc players*, the scan feature is used to move around quickly within a track, much like fast forward on a tape deck.

selectivity (sel): A *specification* that tells how well a *tuner* or *receiver* can differentiate between the selected broadcast *channel* and other stations using nearby *frequencies*. Adjacent-channel selectivity (adj-ch sel) measures rejection of signals from stations broadcasting on either side of the selected station; alternate-channel selectivity (alt-ch sel) measures rejection of signals from stations two channels away from the desired one. Higher numbers are better for both of these specifications.

semiautomatic turntable: A kind that lifts the *tonearm* from the record automatically at the end of a side; the *stylus* must be set onto the record by hand, however.

sensitivity (sens): A measurement of *speaker efficiency* that tells how much sound is produced 1 meter away from the speaker with an input of 2.83 volts (1 *watt* into 8 *ohms*). Higher numbers are better.

separation: The difference, measured in *decibels (dB)*, between the left and right *channels* of an audio *signal*, indicating the amount of leakage between channels in a component. Higher figures are better.

servo control: A technique that forces the speed or position of a moving device into conformity with a desired speed or position. The speed of a servo-controlled *turntable* is established by a precision voltage or *frequency* standard to which it is compared. Automatic adjustments are made to minimize differences and ensure the correct *rpm*.

signal: An electrical current that is modulated (changed) to represent information.

S/N (signal-to-noise ratio): Measured in *decibels (dB)*, the difference in level between the loudest possible *signal* a component can produce and its residual *noise*. Higher figures are better.

source: The program *signal* that is being recorded or played back. Components provide program signals either by playing a recorded program (*turntables*, *cassette decks*, *compact disc players*, etc.) or receiving a broadcast program (*tuners* and *receivers*).

specification (spec): A numerical measurement of a component's performance as provided by the manufacturer.

speaker (or loudspeaker): A component that accepts audio *signals* from a *receiver* or *amplifier* and converts them into sound waves. Also called a *driver*.

spherical stylus: A *stylus* whose shape is conical; typically used in cheaper *cartridges*. The downward-facing point of the cone, which vibrates in the record groove, is rounded to a specified radius of curvature. See *elliptical*.

SPL (sound-pressure level): A measurement of acoustic energy, usually encountered in the *sensitivity* rating of a *speaker*. See *dB*.

stereo: The use of at least two separate

channels (*signal* paths) to create the illusion that music is being produced in the space between, and even beyond, a pair of *speakers.*

stylus: The needle-shaped material, usually diamond, at the end of the *cantilever* of a *phono cartridge*; it vibrates in record grooves, providing the cartridge with the energy needed to produce audio *signals.*

subwoofer: A separate *speaker* designed to reproduce only *bass* frequencies. Subwoofer systems sometimes contain an *amplifier* and a *crossover* network.

supertweeter: A *tweeter* used to reproduce only extremely high frequencies; usually found in four- or five-way speaker systems.

surround sound: See *Dolby Surround.*

tape monitor: A switch on a tape recorder that allows the user to listen to a tape as it is being recorded to insure proper recording; also may allow external signal processors to be used.

THD (total harmonic distortion): The percentage of an audio *signal* that consists of harmonics, or multiples of the fundamental *frequencies.* These harmonics are introduced by an *amplifier* or other component in its handling of the original signal. Lower figures are better.

tonearm: The cylindrical rod on a *turntable* that supports the *phono cartridge.* See *pivoted tonearm* and *linear-tracking tonearm.*

tracking: The ability of a *compact disc player* or *phono cartridge* to follow the pattern recorded on a *CD* or vinyl *record.*

tracking error: In playing a *record,* the *tonearm* should hold the *cartridge* as perpendicular to the record's surface as possible. Tracking error is expressed as the number of degrees away from perpendicular.

tracking force: The pressure of a *stylus* on a *record,* measured in grams.

transport: The parts of a tape deck that move the tape, including the motor(s), hubs, *capstan*(s), pinch-roller(s), and other mechanisms. In a *compact disc player* or *turntable,* the transport system rotates the *CD* or *record.*

treble: The high part of the audio *frequency* range; see *bass* and *midrange.*

tuner: A component that receives radio *signals* from an *antenna* and allows the user to select a specific station.

turntable: Also known as a phonograph or *record* player, a turntable rotates vinyl records; see *cartridge* and *stylus.*

tweeter: A driver in a *speaker* system that is designed to reproduce *treble* sounds (high *frequencies*).

two-way, three-way: Refers to the number of *frequency* bands a *speaker* system's *output* is divided into. A two-way system typically has a *woofer* and a *tweeter*; a three-way system adds a *midrange* speaker to that configuration. Systems up to five-way have been marketed.

volume: Usually expressed in *decibels (dB),* the strength of a sound wave or audio *signal.*

W/ch (watts per channel): A *specification* that indicates how much power an *amplifier* or *receiver* will deliver to each of a pair of *speakers.*

W&F (wow-and-flutter): A combined *specification* indicating the speed accuracy of mechanical components such as *turntables* and *cassette decks.* Lower figures are better. See *wow* and *flutter.*

woofer: A *driver* in a *speaker* system designed to reproduce the low, or *bass,* part of the audio *frequency* spectrum.

wow: A measurement of slow speed variations; usually combined with *flutter,* a measurement of fast speed variations. Lower figures are better.

ABBREVIATIONS AND ACRONYMS

AC—alternating current
A/D—analog to digital
AFC—automatic frequency control
alt-ch—alternate channel
amp—amplifier
CD—compact disc
CIRC—cross interleave Reed-Solomon code
CrO_2—chromium dioxide
D/A—digital to analog
DAT—digital audio tape
dB—decibel
dBf—decibel femtowatt
DC—direct current
EE—extra efficiency
EFM—eight-to-fourteen modulation
EIA—Electronic Industries Association
EIAJ—Electronic Industries Association of Japan
EQ—equalization
F—farad
FeCr—ferrichrome
FET—field-effect transistor
FR—frequency response
g—gram(s)
HD—harmonic distortion
HX—headroom extension
Hz—hertz (cycles per second)
IC—integrated circuit
IEC—International Electrotechnical Commission
IEEE—Institute of Electrical Electronic Engineers
IF—intermediate frequency
IHF—Institute of High Fidelity
IM—intermodulation (distortion)
imp—impedance
IPS—inches per second
k—one thousand
kHz—kilohertz (one thousand cycles per second)
LCD—liquid-crystal display
LED—light-emitting diode
L/R—left/right
LSI—large-scale integrated (circuit)
m—meter (as in SPL/W/m)
m—milli (one thousandth, as in msec)
Mb/sec—megabits per second
MC—moving coil
MM—moving magnet
MNOS—metallic nitrogen-oxide semiconductor
MOL—maximum output level
MOSFET—metal-oxide semiconductor field-effect transistor
mm—millimeter
ms—millisecond
mV—millivolt
mW—milliwatt
MPX—multiplex
μ—micro (one millionth)
MSB—most significant bit
NAB—National Association of Broadcasters
nWb—nano Weber
NR—noise reduction
PCM—pulse-code modulation
pF—picofarads
PLL—phase-locked loop
P-P—peak-to-peak, push pull
RF—radio frequency
RIAA—Recording Industry Association of America
rms—root mean square
RPM—revolutions per minute
sel—selectivity
sens—sensitivity
sep—separation
SMPTE—Society of Motion Picture and Television Engineers
S/N—signal-to-noise ratio
SPL—sound-pressure level
THD—total harmonic distortion
TIM—transient intermodulation
V—volt(s)
VU—volume unit
W—watt(s)
W&F—wow and flutter
Wb—Weber
wrms—weighted root mean square
wtd—weighted

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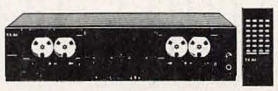
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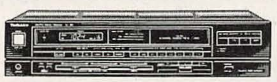


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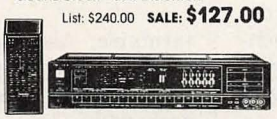


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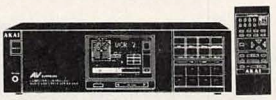
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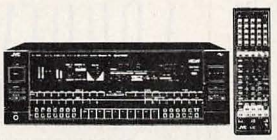
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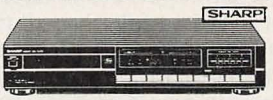


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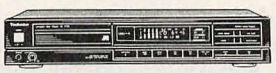


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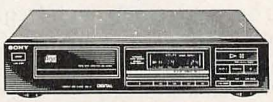
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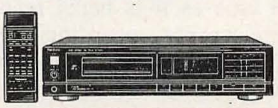
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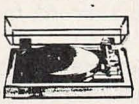
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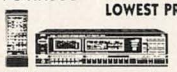


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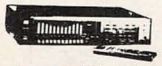
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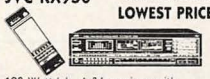
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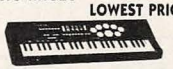
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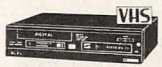
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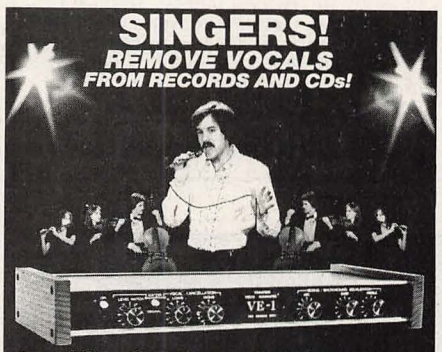
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But all you need to know is Sherwood lets you hear your music the way you want to hear it. So when it's time to unwind, treat yourself to a Sherwood.



RA-1340R

Sherwood®

BECAUSE YOUR MUSIC COMES FIRST

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What happens when a real hi-fi company and a real VCR company builds an A/V receiver.





AA-V435-B
Remote Controlled
A/V Receiver





If you would only buy audio from a *real* hi-fi company and video from a *real* video manufacturer, from whom do you buy audio/video? The company that builds both *high-end* audio and video. Akai.

Akai's AA-V435-B A/V Receiver is proof of what happens when audio and video are fully integrated. Its audiophile features include a "clean" 125 watts per channel,* variable loudness, external processor loop, motor-driven volume control, source direct and much more.

The AA-V435-B's extensive video capabilities include the widest assortment of audio/video inputs and outputs including S-VHS, front panel video, and video RF.

The true beauty of the sleek AA-V435-B is the way it ties everything together. Featuring the most logical rear panel and internal switching designs, it takes full control of your audio/video system, even remotely with its universal remote (capable of "learning" up to 35 functions from almost any remote audio or video components).

Sight and sound are brought together to create a genuine theatrical experience via the AA-V435-B's Dolby® Surround Decoder, which even includes extra stereo amplifiers for two rear speakers.

The Akai AA-V435-B. Built for people who know that the very best in audio/video only happens when audio and video are treated as one.

*Continuous average power output, both channels driven into 8 ohms, from 20 Hz to 20 kHz at no more than 0.05% THD.
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AKAI

Where audio and video are one.

The Akai Division of Mitsubishi Electric Sales America, Inc., 225 Old New Brunswick Road, Piscataway, NJ 08854

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